re Mining Journal

RAILWAY

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

1141-Vol. XXVII.]

LONDON, SATURDAY, JULY 4, 1857.

STAMPED . . . SIXPENCE, UNSTAMPED . . FIVEPENCE

JAMES CROFTS, MINING AND SHAREBROKER, b. , FINCH LANE, LONDON (established 1s years), TRANSACTS every ISINESS in MINING SHARES, but, not being a BRALER, BUYS and SELLS ger confided to him.

confided to him.

abandous, temporarily, his recommendations of mines in the aggregate, al attention to Carthanne and JANE Consols, Mericosth, North Wales, at This concern presents some peculiar features it has a subspited 60, which is more than ample for fully developing both the isad and as no farther capital will be required, it is sufferly free from the install. The dues of all minerals for 10 years (out of a lease of Si years), no only, the prespects warrant the belief of the company.

send as no further capital will be required, it is sufficily free from the instead calls. The dues of all minerals for 10 years (out of a lease of 31 years), compromised for by the company.

I make the property warrant the belief that it would ultimately pay 5 at, besides the lead lodes, it possesses an immense deposit of iron fore, of the company of the property of the company of the company of the company of the company of the delication and say extent in Wales, Scotiand, and Staffordshire, at a very remunerative he dividends anticipated from the combined workings of the lead and iron such beyond any mine known to Mr. Chorrs at present in the market. All sifts advantages are, however, fully shown in the particulars issued by the and various reports from the agents employed on the works, and other inputting parties.

**samines*, the ironstone is found to be Maguseric, and is the only deposit of irig in the United Kingdom at present made available for commercial purposes, it he particulars and of the proceedings of the last meeting (showing the condition of the property), and the reports, can be had of Mr. Coorrs, and of the lead and tron orce seen at his office. The shares, which from the ormat affecting the mining market have been temporarily depressed in value, readaily advancing to par. Present price, 86 dd. to 96.

Inserting of the 8th June, it was recommended that the company be regise for the St June, it was recommended that the company be regisely the both of the staff of the North-Western line, in it hours from London. If form a new era in mining annals, and probably lead to the saving of some by a number of the most romantic and mentioned the mining districts being in general of the most romantic and mentioned the mining districts being in general of the most romantic and mentioned the mining districts being in general of the most romantic and mentioned the mining districts being in general of the most romantic and mentioned the mining districts being in general of the most romantic and mentioned the

the case has lately published "A Manual of Mining," which may be had esdon to him, gratis, and post free.

JAS. LANE, 29, THREADNEEDLE STREET, LONDON, hs BUYER of Scott Tolgue, Trelawny, Mary Ann, Wheel Margery, Pember East Crimits, Great Hawas, South Caddra, East Margaret. And a SELLER of, Ludcon, Tamar Consols, Wheel Wrey.

M E S B, B B E N C H L E Y, 11. ROYAL EXCHANGE, LONDON, E.C. 1925 and SALES effected in every description of MINING, RAILWAY, 10THER SHARES.

Is information furnished as to those mines suitable for investment. Bankers: London and Westminster.

IDEND MINES, well selected, are the BEST of all PUBLIC

IDEND MINES, well selected, are the BEST of all PUBLIC WYSTMENTS, paying, as they do (in dividends every two or three months), to 30 per cent. per annum. NON-DIVIDEND MINES, carefully chosen, dy advance in price 500 per cent., or more. Reversely the selection of the selection o

ANTED, SHARES in the following MINES, for immediate eash:

3 Ding Dong.

2 Wheal Margaret.

50 Tamar Consols.

50 West Alfred.

6 North Levant.

6 Costridge.

12 Great Wheal Alfred.

12 Great Wheal Alfred.

13 Dendeen.

14 Dendeen.

15 Wheal Wrey.

15 Wheal Wrey.

15 Wheal Wrey.

16 Holding any of the above-mentioned shares, may obtain the full market when, may be them, on sonlication, personally or by letter, to

.eiant).

diding any of the above-mentioned shares, may
m, on application, personally or by letter, to
GEORGE SPRATLEY, 15, Old Broad-street, E.C.

SHARES FOR SALE. I Boscean, 10 Aifred Consols, 10 Baincon, 100 Buller and Basset, 20 Curn180 Catherine and Jane, 50 East Providence, 100 Great Hewas, 20 Ludcott, 5
secs, 2 Margaret, 100 West Polberro, 7s, 6d.; 15 Stray Park, 40 Buller and
A, 50 Pendesen, 5 Trelyon, 12 Wheal Wrey, 5 Ding Dong, 10 North Levant, 100
h, 5 East Margaret, 2 St. Ive's Consols, 10 South Bog, 40 Tolvadden, £8; 20
Alfred, 2 Wheal Jane, 3 Wendron Consols, £42; 15 South Garras, 9 Carvanni, NFED TO BUY.—Margery, Carnyorth, North Levant.—Apply, stating the
west price, Mr. Lelean, Share Dealer, 4, Cushion-court, Old Broad-street.

HN GLEDHILL AND CO., MINE AGENTS, SHARE BROKERS, AND GENERAL DEALERS.

MINING RECORDS OFFICE, 7, SOUTH PARADE, LEEDS.

all selected are the best investments, paying from 15 to 30 per cent. hey have to OFFER SHARES in most of the DIVIDEND and E MINES, and are ready to give every information relative to all 1 Dated July 3, 1857.

O CAPITALISTS.—RELIABLE INFORMATION may be obtained on application to the undersigned, in respect of MISCELLANEOUS RITIES generally. BANKS, INSURANCE SHARES, LAND COMPANIES, 55 (British and Foreign), RAILWAYS, FOREIGN STOCKS, and the PUBLIC DE BOUGHT and SOLD at the closest market prices, and at moderate commissessements of the companies of the

VESTMENTS.—Mr. G. J. POUCHEE, STOCK and SHARE BROKER, having facilities for obtaining RELIABLE and EARLY INFORMA-for all points connected with the various undertakings in RALWAYS, MINES, and st all times point out to investors the SAPEST and most PROFITABLE RIFIES for the employment of capital.

PURCHARES and SALES EFFECTED at the usual commission.

8. Michael's-aliey, Cornhill.

MES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, AND ACCOUNTANT, REDRUTH, CORNWALL. lets for the PURCHASE and SALE of MINE SHARES, MINING MATE. 3, &c., promptly attended to.

ROFITABLE INVESTMENT.—FOR SALE, FOUR HUNDRED SHARES, or any part thereof, at 10s, per share, in a COPPER and SILVER. offices, or any part ingrees, at loss, we have, in a COPFILE and SILVELS. DMINE, in Cornwall. It is surrounded by all the richest dividend-plying in the district, and adjoins the celebrated South Caradon Mine, which has paid diffends to the fortunate shareholders the enormours sum of \$11,900 on an out-\$40. The rich copper lodes of the South Caradon run through the entire length mine; and I have no besitation in easing that, in a year or so, it will pay divi-, and the shares worth many pounds per share. All particulars will be fored on application to HENRY GOULD SHARP, Mine Sharebroker. Church-court, Clement's-lane, Lombard-Street, London.

E. GOMPERSISA

dingston Down. 2 Margaret.

40 Wheel Harriett.

50 Wheel Harriett.

50 Gawton, 15s. 6d.

50 Console. 20 Buller and Basset. BUYER 20 Hingston Down. reat Alfred, £6%. ld Russell, 3s. ortridge Consols. 3 A SELLER OF— 50 Great Hewas, 17s. 6d. 100 Lady Berths. treadneedle-street, E.C. 1 Wheal Buller, £300. 1 Providence, £71.

red Consols, £17. 50 cleal Zion, 15s. 100 I Crown Chambers, Threadn F O R S A L E:1%. 30 East Russell, 17s. 6d.
10 Lelant Consols, \$3%.
20 Tehidy, \$2%.
10 Edward, \$2%.
24. 30 Grenville, 22s. INING SHARES FOR SALE

5 Ailr. Cons., £17%.

20 Sortridge Cons., £1%.

10 Margaret, £57%.

10 Leain Consols.

21 Margaret, £57%.

10 Leain Consols.

20 Tehidy, £5%.

20 Tehidy, £5%.

20 Tehidy, £5%.

20 Tekidy, £5%.

20 Tekidy, £5%.

20 Tekidy, £5%.

20 Greaville, 25%.

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20 Tekidy, £5%.

20 Greaville, 25%.

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20 Greaville, 25%.

20 Tekidy, £5%.

EORGE MOORE, DEALER IN MINING SHARES,
I, CROWN COURT, TRREADMEEDLE STREET, E.C.
Grone Moore will SELL the following SHARES, or any part :—
10 Rerodsfoot, Sty.
20 Dales wills, Sis. 5d.
20 Dales of Cara, 16s. 9d.

Previous to payment.

MESSRS, J. J. REYNOLDS AND SON, STOCK, RAILWAY, AND MINING SHARBBROKERS, No. 1, ROYAL EXCHANGE BUILDINGS, E.C., LONDON, beg to draw the stention of their friends and capitalists to the present state of the Money Market, which, being very depressed, offers great advantages to those who may fortunately be in a position to invest at present rates,—rates which the prospect of a good harvest and other concurrent circumstances, it is confidently expected, will improve.

Messrs, J. J. REYNOLDS and Son take this opportunity of thanking those who have entrusted them with their confidence since the announcement of their partner-hip; and to assure their cilcuits, and the public generally, that hy strict attention to the interests of those for whom they transact business, they will endeavour to retain the position they have gained.

Messrs, J. J. BYNOLDS and Sox are in constant communication with the most approved agents in Cornwall and Devon, and will be happy to render any information respecting mining property gratis, and to get mines inspected when required.

Business transacted in British and Foreign Funds and Securities on the usual commission authorized by the Stock Exchange.

1, Boyal Exchange-buildings, E.C., July 5, 1857.

DOWELL AND COOKE, DEALERS IN MINING SHARES.

Every information afforded relative to the merits, &c., of British Mines,
Wheel Edward, and Catherine and Jane Consols, at the present market prices
offer chances of very large profits. The shares in either of these mines are always
dealt in at close prices.
Dated June 25, 1957, 6, Hercules Chambers, Old Broad-street.

MR. JOS. JAS. REYNOLDS, Jun., 68, OLD BROAD STREET, LONDON.—BUSINESS TRANSACTED in every description of BRITISH and FOREIGN MINES; also, BRITISH and FOREIGN FUEDS and SECURITIES, on the usual terms of commission. Being in constant communication with the most skillful agents in all parts, Mr. J. J. Krysolus, jun., is always in a position to give reliable information and advice to his clients and friends who may favour him with

MR. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON. BUSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other SECURITIES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

SECURITES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

J AMES HERRON has FOR SALE the following SHARES, at the prices quoted, and PREE OF COMMISSION:

2 Alfred Connols, \$174.

3 Brynial, \$1 bits.

4 Bolling Weil.

5 Bolling Weil.

6 Par Consols, \$21 ins.

6 Par

MR. W. H. BRUMBY, STOCK AND SHAREBROKER, 1, QUIET STREET, BATH, is in a position to give the BEST ADVICE in the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

MR. F. E. BLYTH, MINING SHAREBROKER, No. 1, ST. MICHAEL'S ALLEY, CORNHILL, is commissioned to SELL SHARES in most of the DIVIDEND and PROGRESSIVE MINES. As Mr. BLYTH confines himself strictly to commission business, the utmost reliance can be placed that all tusiness entrusted to him will meet with prompt attention and regularity.

MR. F. LISABÉ, C.E., CONSULTING MINING ENGINEER, OFFICE, 2, DAME STREET, DUBLIN.

AT. LIBABE, may be CONSULTED personally, or by letter. His long experience in Ireland will be found useful to capitalists desirous of investing money in mining and other speculations in that country.

M. B. WILLIAM WOOD, 2, FURNACE HOUSE, LLANELLY, CARMARTHENSHIER, having had many years' experience in the manage ment of extensive collieries and iron mines, and as civil and mechanical engineer, OFFERS HIS SERVICES to SURVEY, INSPECT, and REPORT upon such property, and to FURNISH SECTIONS, ESTIMATES, and VALUATIONS of the same. Plans and estimates of winding and pumping machinery on the best construction furnished, and the erection superfutended. Chemical analyses of iron ores carefully made, and opinion as to their value given.

PRANCIS EVANS, INSPECTOR OF MINES AND MINERAL PROPERTY. Living in the midst of the principal ministion to advise parties who may have an interest in them. DOLWEN and BODCOLL MINES are good speculations. Dated Ponterwyd, Rhayader, July 3, 1857.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY IN ENGLAND, IRELAND, SCOTLAND, or WALES. No objection to take the management ss in the neighbourhood of Tavistock.

NVESTMENT.—Mesars. FULLER and CO., 51. THREAD-MERDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANK-ING, MINING, RAILWAY, and OTHER SECURITIES, many of which will safely pay from 16 to 25 per cent. Those of a progressive character frequently rising above

pay from 15 to 25 per cent. Those or a progressive management of the property of the pay of the principal mines, can with confidence recommend the following as worthy aspecial notice in mines, can with confidence recommend the following as worthy aspectal notice in the pay of the pay o

COPPER MIRES.

Devon Burra Burra.

Boiling Well.

Oraddook Moor,
Calstook Consols,
East Russell.

Every information given, either personally or by letter. Office hours from 10 till 5.

MESSES. A. J. HUTCHINGS AND CO.'S
PATENT IMPROVED WIRE ROPE. Lords of the admiralty, the french and turkish governments

id the principal Colliery Proprietors throughout the kingdi MANUFACTORY, MILL WALL, POPLAR, LONDON. ROUND and FLAT ROPES of every description, mitable for mining operations or other purposes, GALVANISED or UNGALVANISED, MANUFACTURED upon the newest and most improved machinery, ensuring greater pliability, durability, and strength; and is admitted by the principal coal propristors to be far superior to any other kind of wire rope. The superiority of these ropes over hempen close, in point of strength in the principal and says, is similarly all who have great them.

Class, 17, suckets, street, sender.

THOMAS AND SON, MINING AGENTS,

2, CROWN COURT, THREADNEEDLE STREET, LONDON;
AND AT 11, DALE STREET, LIVERPOOL.

MR. JOHN R. PIKE has FOR SALE the undermentioned

Tankers, FREE O

Carnyorth, 46%

Carnyorth, 46%

Carnyorth, 46%

Carnyorth, 50, 12, 3d.

Drake Walls, 51, 52, 3d.

Rosew, United, 5216,

Rosew, United, 5216,

Rosew, Cardon, 5230,

Bouth France, 5230,

South France, 5236,

West Damsel, 5234,

West Scon, 5305,

Bassct, 5235,

Bassct, 5235,

F COMMISSION:—
3 Tramps, 26.
25 Bolling Well, 38., ed.
1 North Rockear, 497%.
1 Condurrow, 51424.
3 North Frances, £13%.
5 Oreat Alfred, 26%.
40 Zion, 16., 84.
20 Cupid, £3%.
30 Cupid, £3%.
30 Cupid, £3%.
30 Susth Condurrow, 5.
30 Susth Cara Brea, £5%.
10 Stray Park, £4%.
40 Zias Rosewanse, for which no reasonable offer

Also, 200 West Ting Tang, and 200 East Rosewarne, for which no reasonable offer will be refused.—38, Threadneedle-street, City, July 3, 1857.

WILLIAM MARLBOROUGH, MINING AGENT,
(For many years with Mr. T. P. Thomas),
57, OLD BROAD STREET, LONDON.

MR. WILLIAM MOORE, STOCK AND SHAREDEALER,
11, HERCULES CHAMBERS, OLD BROAD STREET.
N.B. Business transacted in every description of stock and shares.

MR. M. W. BAWDEN, MINE BROKER, GENERAL ASSAYER, AND COMMISSION AGENT, LISKEARD, CORNWALL.

MINING OFFICES .- Mr. T. CARTHEW, ST. CLARE STREET, PENZANCE. HEET ZINC AND SPELTER.—Mr. WM. JOHNSTON, 49, MITCHELL STREET, GLASGOW, AGENT for the SILESIAN SPELTER and SHEET ZINC. Stocks generally kept in Glasgow, Leith, and Hull. Can ship direct from Stettin or Hamburg to London or Liverpool with promptness on hear terrain.

TO RAILWAY COMPANIES AND ENGINEERS.—
THOMAS ELLIS, Sen., ENGINEER (late of the Tredegar Ironworks, Monmouthshire), begs to inform railway companies, engineers, and others, that he has taken to INSPECT RAILWAY BARS, &c. His experience commenced with the American Boston Railway in 1857. Is fully up to the manufacture of rails, &c., from the furnace head to the finished rail. Most satisfactory reference in London or South Wales.—Ty-Mawr, Pont-y-Pridd, Glamorganshire.

NE HUNDRED AND FIFTY-FIVE SHARES in WEST POLBERRO MINE TO BE DISPOSED OF, at 12s. per share.—Apply to "P. A.," Mining Journal office, 26, Fleet-street, London.

PENHARGET AND WHEAL WREY UNITED, CHOLLACOTT, QUEEN OF DART, TREBARVAH, CHANCELLORSVILLE, ARTHUR, KELLY BRAY, BODCOLL, and BALLYMONEEN.—Mr. MANKYILLE, 33, Great Winchester-street, Old Broad-street, E.C., has business to transact in the above.

WANTED, SHARES in all, or any, of the following MINES, for immediate nett cash:—Buller, Basset, South Frances, Rosewarns Unite West Seton, Botallack, Wheel Margaret, Providence, Grambler and St. Aubyn, Gradifred, South Caradon, Aifred Consols, Tolvadden.—Address, "P. C.," Mining Jou and office, 26, Fleet-street, London.

O CAPITALISTS, AND OTHERS INTERESTED IN MINING. —To be sold, or worked in company, an extensive and RICH GOLD FIELD, having a plentiful supply of water and timber; in an excellent climate, situated in New Granada, South America, which has cost the owner thereof 22585 sterling. A working capital of 2500 will put the property in full order, and make the first washing! This being a dona fide concern, applicants will please give proper addresses, without which no notice will be taken. Address "Pagarita," Mining Journal Office, 20, Fleet-street, London.

TO THE MINING INTEREST.—A GENTLEMAN, who has had for several years the management of large mines abroad, has received a scientific and practical mining education, and speaks several languages, desires a SITUATION. He can produce high testimonials as to his obstracter and ability as a mineralogist, chemist, and miner. Salary not so much an object as employment.—Address, "Stannum," Mining Journal office, 36, Fleet-street, London.

COLLIERY MANAGER.—WANTED, a PRACTICAL MAN of great experience, to TAKE the MANAGEMENT, under and overground, of an EXTENSIVE WORKS, raising from 400 to 500 tons daily.—Applications, with full particulars, as to when, where, and how experience gained, references, and aslary expected, addressed (paid) to "Carbon," Mining Journal office, 26, Fleet-street, London, will receive early attention.

TO POWDER MANUFACTURERS.—WANTED, a COMMIS-SION for the SALE of POWDER, by a person who has a good connection amongst coal masters and butties in South Staffordshire. Land may be had suitable for a magazine.—Address, "E. H.," Post-office, Tipton.

HEILMAN'S PATENT FURNACE.—WANTED, SEVERAL LOCAL AGENTS for the SALE of the PATENT RIGHT. Respectable and competent parties will be liberally treated with.—Apply, by post, to Mr. Heilman, at Irchel, Alexander, and Co. e, d, Marsden-street, Manubester.

EAD ASHES, and LEAD WASTE of any description, WANTED TO PURCHASE; also, OLD LEAD or ZINC. PIG-LEAD FOR SALE.—Samples may be sent to Charlet Low, Smelting Works, Old Ford Wharf, Bow, London. Lead, Silver, and Copper Ores bought.

N SALE, TWO 50-horse CONDENSING ENGINES (by Galloway and Sons), on the marine principle, 36 in. sylinders, 3 ft. 6 in. stroke, will work together or separate; price for the two £450, for one £250. Also, ONE 2-tons FORGE HAMMER, nearly new, with cam, cam shaft, driving wheels, anvil, block, &c.; price £30.—Apply at PENDLETON IRONWORES, Manchester.

TO BE SOLD, a SECOND-HAND 10-horse power STATIONARY STEAM-ENGINE and BOILER, complete, in excellent preservation.—Apply to C. E. Spooner, Portmadoe, Carnarvonshire, North Wales.

PAILS (24 lbs. to the yard).—About 115 tons SECOND-HAND BRIDGE RAILS, in excellent condition; the WHOLE, or PART, FOR SALE, and Co., 11, Clement's-lane, Lombard-street, City.

TO BE SOLD, at a low price, ONE THOUSAND COLLEGE MINING SHARES.—Apply to JOHN HARRISON, 20, Laurence-lane, City.

QUARTERLY REVIEW OF BRITISH MINING.—
Ms. MURCHISON'S REVIEW FOR PAST QUARTER, with MAP of the
GREAT WHEAL VOR and LELANT MINING DISTRICTS, WILL BE READY
on Saturday, the 11th inst., price 1s., at 117, Bishopsgate-street Within, Logadon.

TICKEL AND COBALT REFINING, AND GERM'N SILVER WORKS, MILL STREET, BROAD STREET, BIRMINGFAM.—STEPHEN BARKER bogs to inform the Trade that he has the following articles for sale:—REFINED METALLIC NICKEL.

REFINED METALLIC BISMUTH. | OKIDE OF COBALT.

REFINED METALLIC BISMUTH. | GERMAN SILVER.—IN INGOTS, SHEET. NICKEL AND COBALT ORES PUNCPLASED.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RALLWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WREELS. From the tests to which this iron has been submitted by engineers and railway companies during everal years, its superior quality by been generally acknowledged, and can be un-

WEST END MINE ASD QUARRY OFFICES, 5, WATERLOO PLACE,

PALL MALL.

SURVEYORS, undertake the MANAGEMENT and WORKING OF MINERAL
GUARRIES, &c., and CONDUOT the LONDON AGENOY of all MINERAL
GUARRIES, &c., and CONDUOT the LONDON AGENOY of all MINERAL
FROM
PEBTIES in their offices with system, ecuncary, and regularity.
Mesers, BRUNTON and Co. beg to inform proprietors of mines, &c., that the business
of these properties is carried on in their office upon the following principles, viz.:

Accounts systematically and closely made up.
Statements in detail, and closer summarise of finance and expenditure,
Entire and impartial openness of books, reports, and documents, to all sharebolders, for persons or extract.

SURPRISES communication of Say uppersant occurrence to the shareholders.

immediate compunication of any important occurrence to the shareholders.

PLANT, and COST OF WORLING TUNNINGS.

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AKE ONTARIO AND HUDSON RIVER RAILROAD, the debenture debt, the three shares may be considered as prospectively of at least the STATE OF NEW YORK, UNITED STATES. STATE OF NEW YORK, UNITED STATES.

The share capital is £1,250,000, in 60,000 shares, of \$100 each; or £20 16s. 8d., reckoning the dollar at 4s. 2d.

The share capital is £1,239,000, in 69,000 shares, of \$100 shares, or \$100 sha

BROKERS IN LONDON—Huggins and Howell, 1, I have detected as a stern end of Lake Ontario at Sackets Harbour with the Hudson River at the head of tide water at Albany and Troy; thus uniting in a direct line the great chain of lakes or inland sees with the Atlantic Ocean at New York. The section of sountry traversed by this line is the north-sastern portion of the great State of New York; and although now covered by a primitive forest of heavy growth, which is rich in almost every warlety of wood and timber, and filled with mineral productions, it is agriculturally as well adapted to graning and general farming purposes as any other section of the State. The country is filled with lakes, giving rise to most of the large rivers in the State. This whole section has remained in its normal condition until the present time, owing mainly to the course of settlements, emigration, and traffic indused by the opening of the Eric Canal, and the many lines of railroad opening to the great West.

LENGTH OF THE LINE.

opening of the Eric Canal, and the many lines of railroad opening to the great West.

The length of the line, with its branch to the iron mines of the Adirondack, will be about 300 miles. Contracts have been entered into for its construction, including the rolling stock, rights of way, and stations, the whole amount not exceeding 6000.6, per mile, which is less than the average cost of railway in the United States, and not one-half the cost of the New York Central and Eric roads, each. The gross amount of the cost will be about £1,200,000, which includes £100,000 of rolling stock. The line will have but one summit, with level or descending grade eastward to the Hudson River, and westward to Lake Ontario—the summit being about 1700 ft. above the termin, at 100 miles distance—the heaviest gradient being less than 50 ft. to the mile, and these occurring for three miles only, and with the slope in the direction of the heaviest traffic. £200,000 has already been expended towards the construction of the line, and it is expected that the eastern division of 30 miles will be completed by the 1st of October next, and the whole line in eighteen months.

CONNECTIONS.

by the 1st of October next, and the whole them is eigenteen months.

The line, and its proposed branches, will not only unite the great western lakes—whose tonnage, traffic, and commerce is larger in amount than the foreign commerce of New York—with the seaboard, by a direct and advantageous route, but will also bring the city of Montreel, and the Grand Trunk Railway in Canada, into easy communication with New York, thus materially shortening the distance over the line at

munication with New York, thus materially shortening the distance over the line at present in use.

LAND POSSESSED BY THE COMPANY.

The company possess unwards of \$90,000 scress of land, lying adjacent to their line, and granted to the company by the state of New York, and the individual owners of land along the line. These lands are exclusively forest, and are filled with timber suited to shapping and mercantile purposes, and wood of a description universally used for locomotive fael in the United States. For all of the varied products of this forest an extensive and unsupplied demand exists at each terminus of the line. The whole of this tract will be brought within eight hours of the city of New York by the completion of this railway.

of this tract will be brought within eight hours of the enty of New 10rk by the completion of this railway.

The extent and value of the lands possessed by this company may be judged from the following extracts from a late report of A. F. Edwards, Esq., the chief engineer, corroborated in all respects by John B. Mills, Esq., the consulting engineer and land agent of the company.

Speaking of these lands, they say—"They are known to be covered with an extra-ordinary growth of timber, and on this account are worth much more then lands fit only for agricultural purposes. Let us go where we will in the State we find the lands which remain covered with wood and timber altogether the most valuable, and bringing high and increasing prices." There are of

1. Good nine timber lands

ling mign ann increasing j. 1.

Good pine timber lands

Lands containing cherry, cedar, curied maple, tamarack, oak, elm, birch and ash, all valuable for manufacturing and special uses, and some of which are mineral lands

Good spruce timber lands.

Good spruce timber lands, valuable for plank boards and bark

Lands valuable, because connected with water power, and for town lots.

Lands valuable for cord wood, and for agricultural purposes.

estate of this company is exempt from taxation until 1879. TRAFFIC.

The general traffic which must flow over this line is extremely large, and leaves no doubt of the remunerative character of the undertaking. The directors estimate that their annual earnings from way or local traffic, with the road completed, will amount to upwards of \$700,000 sterling, the outlay for which will not exceed 46 per c.

A careful examination as to the immense supply of freight existing at the summit of the road, the short distance from markets, the extensive and unsupplied demand for every item of this freight at the eastern termin of the road at Albany and Toy, and at Lake Ontario west, for western demand; the facts of the gradients, level or descending, in favour of the preponderating traffic, the nominal cost of neigh, sunly one-fifth of the expense of maintaining a railway line, will, when considered, fully justify the estimates of earnings, and will prove most conclusively the capability of the road to move at highly profitable raises the teeming products of the forest.

DEBENTURE BONDS.

the road to move at highly profitable rates the teeming products of the forest.

DEBENTURE BONDS.

The company have already allotted 51,000 shares of their share capital, equal to \$1,000,000, upon which 10 per cent., or \$2 per share, has been paid; and the directors, by their charter, being empowered to raise capital by the issue of debenture bouds, have created bonds to the amount of \$800,000, of which they have recently sold entirely among the shareholders \$200,000. The bonds are for \$1000, or \$208 6s. \$6. each, in the usual form, falling due in 1879, with coupons statched, bearing interest at 7 per sent. per annum, payable half-yearly. The remaining \$600,000 of the above bonds the directors have agreed to offer in England, the principal and interest of which will be payable in London, at the bankers of the company, at the rate of \$208.5 (e. \$6.4, each bond.

The interest is payable on the first days of Augugt and Pebruary in each year. These debenture bonds are sold, payable in a single payment, or by instalments, as follows:—

	the lat day	of August p	roxim	0	£28	6	8	
_	**	October	19	***********************	30	0	0	
	99	Pebruary,	. 11	***********************	30	0	0	
	29	February,	1999	*****************	30	0	0	
	99	April	99	*************************	30	6	0	
	99	Angeret	99	*********************	30	ŏ	0	
	39	trans mare	99	************************	-			

Prov's onal certificates will be issued by the Union Bank of London upon the pay-sent of each instalment, and when all are paid the certificates will be exchanged for d at 7 per cent. per an

as any time, interest to be suplanted at per centre per animals.

A right to take shares in the capital stock of the railway is reserved to each bond holder, the privilege of three shares being attached to each bond of \$1000, or \$200 Sa. 5d., the right to be exercised within five years, upon a payment when taken of 10 per cent., or \$2 per share, which is all that will be probably called for, and for this purpose \$500 shares have been withed from the public.

The company have no floating debt, and the amount of the bonds is secured upon the whole property of the company in lands, railways, railway plant, &c., the entire of which is mortgaged to three trustees for repayment of the amount. This loan is the first and only lien on all the legal and equitable rights of the company in all its resi testate, and like mortgages in other instances, must stand prior to every other lien till these bonds are duly cancelled. In its effect it is in all respects like the ordinary bonds and mortgages taken for leans.

till these bouns are any amended. In its effect it is in all respects has the ordinary bonds and mortgages taken for loans.

SINKING FUND.

It is provided that a sinking fund of 530,000, or £16,000 per annum, is to be set inide out of the proceeds of the company's lands or their products, or any deficiency to be made up from the gross receipts of the road for the redemption of the bonds at their maturity; and the directors are authorised to purchase the bonds at any period during their currency for any sum not exceeding par, or £200 5s. 8d. each.

The general features and characteristics of this company are the same as those of the Illinois Central Railroad Company, whose securities are deservedly popular in Europe and America, solely on account of the fact of their land basis.

This company possess in fee simple about the same number of acres, relatively for each mile of road or railway, as the Illinois Central Railway Company, all of which is situated in the state of New York, and is now overed with a primitive forest adjacent to the largest markets for lumber and timber in the whole country. The quantity now actually existing upon the 800,000 ceres belonging to the company is 45,000,000 of tons gross, of surface products, the value of which, with the lands, when cleared, cailing them & per sere, would be £6,500,000, estimating the forest product upon the basis of ord wood, which is that of least value.

It will therefore be seen, that upon completion of the road, and after discharging

ons to be made to the brokers, HUGGINS AND ROWSELL, 1, Threadneedle-street, Lond-

Applications to be made to the brokers.
Applications to be made to the brokers.
HUGGINS AND ROWSELL, 1, Threadneedic-street, London.

THE LIVERPOOL AND PWLLHELI GRANITE COMPANY (LIMITED).
Capital £15,000. Divided into 730 general, and 730 special, shares of £10 each.
Deposit £1 per share.

MANAGINO DIRECTOR AND LOCAL SUPERIFYERDENY.—Mr. W. Meyrick Jones, Pwilhell.
BANKERS—The North and South Wales Bank, Liverpool.
BEGGRES—Mesers. Drinkwater and Lowe, Liverpool.
SCILITTORS—Mesers. Townsend, Ridley, and Jackson, Liverpool.
SCILITTORS—Mesers. Townsend, Ridley, and Jackson, Liverpool.
This company is formed under the "Joint-Stock Companies Act, 1856," with limited liability, for the purpose of quarrying granite at Pwilhell, Carnarvonshire, and elsewhere, if deemed advisable. With this object, an arrangement has been made for the assignment to the company of a lease from the Right Hon. Lord Newborough, for twesty-one years, at a very low royalty, of the Gimblet Reck, or Carregrymbyli, a promontory composed of granite, situate at the entrance to the Harbour of Pwilhell. The lesses, with whom this arrangement has been come to, is not to receive any return or compensation, as the price or consideration for his interest in the quarries, until the dividends upon the paid-up capital of the company exceed ten per cent.; the is then to receive one-half of the surplus dividends. This object is effected by the creation of two classes of shares—namely, general shares and special shares; the former being preference shares open to the public, and entitled to a dividend in the first instance of 10 per cent.; the surplus profits are then divisable equally between both classes of shares.

The dividends will be payable half-yearly.
The liability of every shareholder is limited to the samount that may be unpaid on the shares held by him.

The certainty not only of success, but also of very large profits, is stated by praviled and not to donit of a doubt.

In addition to the fact that granite quarries almost invariably yield profitabl

Samples of the stone may be inspected at the yard of Mr. Calvert, stone merehant, Back Leeds-street.

OUTH DEVON GREAT CONSOLS MINING COMPANY.

10. A, KING'S ARMS YARD, MOORGATE STREET.

The mine belonging to this company is leased from the Duchy of Cornwall, at the low royalty of 1-16th. It is situated on the River Tamar, bounded on the east by the Devon Great Consols, which has sold of ore upwards of a million in value; on the south, east by the Bedford United, which has been a paying mine for years; on the south by the Old Gunnis Lake, which divided a quarter of a million mong the adventurers; and on the south-west by the Hingston Down Mine, which is now paying dividends.

The stratum is composed of the most congenial granite and killas, intersected by cross-courses, and several parallel lodes traverse the entire sett.

All necessary buildings have been erected, and the steam-engine and other machinery are of the highest quality is found diffused throughout the lode, the govern having been continued to the 50 fm, level, an indication of a valuable and lasting mine, which will probably be remunerative within a very short period.

To develop this valuable property, the adventurers have authorised a subscription of £2500. Of this sum, for every 2s. 6d. subscribed one share, representing £1, will be given, should the mine pay a dividend before further capital is required; but in case the sum now proposed to be raised shall be insufficient for that object, the subscriber will derive no interest in the undertaking, but will be entitled to subscribe a second 2s. 6d. on similar conditions, but it will not be considered necessary that the whole amount of £2500 be paid. The present shareholders shall have prior option, according to the amount of their shares, but any part not taken by them will be divided among the public applying for it, and principly of application will have weight with the committee in the allotment.

To the Directors of the Schul Davon Great Consols Mining Company.

FORM OF APPLICATION.

To the Directors of the South Devon Great Consols Mining Company,

10 A, King's Arms-yard, Moorgate-street.

GENTLEMEN,—I agree to subscribe for £, or any less sum that you may allot to me, upon the terms and conditions of the resolutions passed at the General Meeting of Shareholders, held on the 17th day of June, 1857, and I herewith enclose a hand.

N.B. All cheques to be made payable to the South Devon Great Consols Mining Company, and to be crossed Messrs. Oldings, Sharpe, and Co.

NEW PATENT ACT, 1852.—Mr. CAMPIN, having advocated Patent Law Reform before the Government and Legislature, and in the page of the Mining Journal, &c., is now READY to ADVISE and ASSIST INVENTORS IN OBTAINING PATENTS, &c., under the NEW ACT.

The Circular of Information, gratis, on application to the Patent Office and Designs' Registry, 156, Stray Registry, 156, Strand.

algna* Rezistry, 156, Strand.

THE ENGINEER, of Friday, July 3, contains—Descriptions of Dirck's Improved Mode of Preparing Wort for Brewing, Lister's Improvements in Spinning, Jessop's Machinery for Washing, &c., Porter's Machinery for Grinding Cement, &c., Sinelair's Apparatus for Drying Agricultural Produce, Gauntlett's Thermometric Apparatus, Bessemer's Improvements in Manufacturing Iron, Hesting's Machinery for Dressing Yaras, &c., all litustrated. Original Articles on Railway Accidents, Metropolitun Parks, Branch Railways for Agriculture, Preparation of the Soil for Sewage Manure, &c.; Manchester Meeting of Mechanical Engineers; On the Electric Conductibility of Commercial Copper, by Professor Thomson; Life of George Stephenson; Specification of American Goods Engine; the late Expedition up the Nile, &c. Patent Journal; Metal and Timber Markets; Trades of Birmingham, Wolverhampton, and the other districts; Notes from the Eastern Counties, and all the Engineering News of the Week, Price &d, Stamped 7d, Vois, I. and II., now ready, may be had from the office, or any news agent or cookseller.

Bernard Luxton, Publisher, 301, Strand, London.

Bernard Luxton, Publisher, 301, Strand, London.

INVESTMENTS IN BRITISH MINES.

Pull particulars of the most important Dividend and Progressive Mines will be found in the Fourth Edition of

BRITISH MINES CONSIDERED AS AN INVESTMENT,

Recently published, by J. H. MURGHISON, Edq., F.G.S., F.S.S.

Mr. MURGHISON also publishes a QUARTERLY REVIEW OF BRITISH MINING, giving, at the same time, the Position and Prospects of the Mines at the end of each Quarter, the Dividends Paid, &c. The REVIEW for the Quarter ending the Sist of December last contains a Map of the Cambone District, price is. Reliable information and advice will at any time be given by Mr. MURGHISON, either personally or by letter, at his offices, 117. Bishopsgate-street Within, London, where copies of the above cubications can be obtained.

OFFICIONS OF THE PRESS.

or, as an above realizations can be obtained.

Mr. Murchison's new work on British Mines is attracting a great deal of attention, and is considered a very useful publication, and ealculated to considerably improve the position of home mine investments.—Mining Journal.

The book will be found extremely valuable.—Observer.

A valuable guide to investors.—Herapath

Mr. Murchison takes sound views upon the important subject of his book, and has placed, for a small sum, within the reach of all persons contemplating making investments in mining shares that information which aboud prevent rash speculation and unproductive outlay of capital in mines.—Morning Herald.

and unproductive outlay of capital in mines.—Morning Heraid.
Of special interest to persons having capital employed, or who may be desirous of investing in mines.—Morning Chronicle.
Of great value to capitalists.—Sunderland Times.
Parties requiring information on mining investments will find no better and safer instructor than Mr. Murchison.—Leeds Times.
As a guide for the investment of capital in mining operations is inestimable. One of the most valuable mining publications which has come under our notice, and contains more information than any other on the subject of which it treats.—Derby Telegraph. To those who wish to invest capital in British mines, this work is of the first importance.—Welshman.

To those who wish to invest capital in British mines, this work is of the first importance.—Welshman.

This work enables the capitalist to invest on sound principles; it is, in truth, an excellent guide.—Plymouth Journal.

All who have invested, or intend to invest, in mines, will do well to consult this very useful work.—Ipswich Express.

This is really a practical work for the capitalist.—Stockport Advertiser.

Persons desfrous to invest their capital in mining speculations, will find this work a very useful guide. —Werwick Advertiser.

It is full of carefully compiled and reliable information relative to all the known mines in the United Kingdom.—Sheffleld Free Press.

Those interested in mining affairs, or who are desirous of becoming speculators, should obtain and carefully peruse the work.—Mommonth Beacon.

Every person connected, or who thinks of connecting himself with mining speculations, should possess himself of this book.—North Wales Chronicle.

A very valuable book.—Cornwall Gassette.

All who have invested, or intend to invest, in mines, should peruse this able work. We believe a more useful publication, or one more to be depended on, cannot be found.—Plymouth Herald.

All who have invested, or we have the week of the week

CORNISH MINE PHOTOGRAPHS-No. V. THE FIRST DIVIDEND.

The life of a "toad under a harrow," or a "cock at the stake on Whitsuntide," is happiness itself, compared to the trials which await the captain and secretary of a poor mine. No accident occurs but it is their fault; no shareholder is in arrear but it is their neglect; no unfavor fault; no shareholder is in all variety ought to have foreseen it. The Chircircumstance can turn up but they ought to have foreseen it. The Chir. man says they ought; the adventurers take up the word, and echo they ought, and with faces as long as fiddles cry out, "Away with them, away with them!" An old Cornish adage on these matters says, "A good makes kind and good tempered shareholders is a truism. How different is the outstretched arm, hearty shake by the hand, or graceful recognition, and "Well captain, how d'ye do? I see you've a capital floor d'or —good dividends next meeting, my boy!" to being stopped by the adventurer on the high road, who, without preliminary of any sort, grumble out, "What the devil is the use of your boring me for that last call a often; when I choose to pay I will do so." "But, Sir, all say the same and you know men won't half work, and take liberties, unless they are paid regularly. You little know what a life I lead with them when the is no money on pay-day." "I don't care a d—n about the men or a mine either; you are all a set of knaves, and intend to ruin all that ye are connected with."

No youth emerging from boyhood, or the constraint and supervision.

are connected with."

No youth emerging from boyhood, or the constraint and supervising that she guardians, rejoices with such glee as captains and managers of his on the declaration of their first dividend. All their carning in bles, taunts, and insults, are forgotten and forgiven; a little such the mine would early be in the dividend list, the fact of its being when the mine would early be in the dividend list, the fact of its being when ligad for them, and scrutiny wink at agotism.

Our friends, who had now almost identified themselves with mine had entered fully into the exciting circumstances connected therwith, much as if they had been accustomed to it for years, and were determined to the control of the such as a such a

claring our first dividend on the Wheal S—— Consols. (Hear, her It appears from the accounts just read that we have in our banker had assets to the amount of 2800l.; our next month's cost-sheet will be she door. The captain says the ore you have this day seen on the floor worth from 1000l. to 1200l. more; this will be sold in a fortnight first time. All our new machinery is paid for; in fact, the mine is prectly out of debt save the current month's expenses, the reserve s good, our daily explorations are satisfactory, and are such as to assure that our patience and perseverance will be rewarded by a great and ling mine." Turning to the captain—"Capt. W——, the kind enoughleave the room for a few minutes with Mr. G——, the secretary. It themen," addressing the meeting again, "the committee beg now to recit meand that a sum of 1000l., being 10l. per share on the shares of the S—Consols Mines, be now voted as a dividend, to be payable on the first of July next; and, further, that the sum of 100l. each be presented to it captain and secretary as an acknowledgment of their services, shilly, preverance, and encouragement they have always shown to the mine in adventurers." (Hear, hear, and considerable applause.)

This was seconded by the lord of the manor, who, being resident on the spot, could testify to the zeal, attention, and solicitous care displays by these officials, the only dissenting party being the "heutonimenument."

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The Chair-

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who asserted, if any reward were to be given, he ought to have it. The mine would have gone down had it not been for him; he had been its main stay. He had careted himself greatly. He had only 10.f. granted to him, and though he had not obtained the situation he intended, yet he had saved the mine. He had kept the captains in their situation, and the secretary's feet he did not see any policy in throwing away money in that manner. He held fold part of the mine. It was of serious consequence to him, and he (nodding significantly) knew it was to others; he, therefore, begged to propose the whole sum be divided equally among the ahareholders. Not finding a seconder, however, the dividend and gratuity were declared duly made (the grumbler remarking "Wrong again.") The secretary was ordered to draw out the cheques; the captain and he, with hearts too full for utterance, gesticulated and stammered out their thanks. A vote of confidence to the committee and Chairman was given amid acclamation, and the meeting dissolved.

Champage and other wines were now produced. "Success to the mine," Increased dividends," "Fish, tin, and copper," and other mining tossus, having been drunk (the personal ones being reserved till evening), the company spent an hour or two in examining the surface of the mine, inspecting the new dressing machinery, which had so much conduced to the dividend, and in visiting the temporary marques, in which the miners were enjoying a good old English dinner, provided by a subscription amongst the principal adventurers on this auspicious occasion; and every person, not swen excepting the grumbler himself, felt satisfied that day. This having been accommlished, the whole party adjourned to the Royal Hotel, Turo, where a sumptuous repeat was served, at 6 colock 2.M., to the saventurers and invited quests; covers were laid for about 60. After the removal of the cloth, the usual ceremonies were gone through, until it came again to "Success to Wheal 8— Consols," before proposing which the courteous secretary b

Original Currespondence.

EXETER AND ASHBURTON AS MINING DISTRICTS .- No. I

EXETER AND ASHBURTON AS MINING DISTRICTS.—No. I.

Sin.—These being such important districts, in which lead, tin, copper, and iron, have been, are being, and will be discovered, I deem it opportune at the present time to furnish your readers with a few remarks, based on practical observation for many years past, and giving my opinion thereon.

In the first place, I would note the formation, which I consider truly magnificent for the retention of minerals. The range of Dartmoor granita to the west has a bearing of 10° or 16° north of east and south of west, where it forms a junction with the guelss, schiet, and clay-slate, from the parlshes of Bridford north to Breat south, of at least 22 lineal miles. The clay-slate thus, be it observed, occurs to the east of the granite, on, forms a variety to interest the geologist, from the coarse granular fell-phathic to the fine-granized quartzone—some very compact, and some very much decomposed. These clavan or porphyritid clykes above referred to (which I have only seen in the clay-slate) have a bearing of about 45° east of north and west of south, and are, therefore, entering the granite, and intersecting the lodes at various angless.

We also will look a little into the granite itself. Tin and from are the only important minerals I know of having yet been discovered in the Dartmoor granite, although I was told, four or due years since, by an agent at Haytor Consols (now abandoned), that he had discovered on opper and silver-lead there; but I doubted the assertion, and see no reason yet to change my mind. We find a great many lodes or mineral veins traversing this—the primitive formation—having a bearing nearly east and west, in a great many of which tin and iron exists, but the tin is very thinly disseminated, although at Viteford a great quantity has been sold. This is the only instance that I know of where large deposits of tin have been discovered on great many lodes opened and operated upon, which, from the result, I have seen a great many lodes opened and operated

cannot support a savorance relative tin, lead or copper, again excepting iron and spiculations in this formation for either tin, lead or copper, again excepting iron and shining ore.

As the lodes approach the clay-slates in certain localities, they assume iron and shining ore backs, of a very beautiful and rich description. I name a few mines of this—Henneck, libek ors—shining ore; Emouth Consols, shining ore; Beaden, shining ore; Kelly, shining ore; and many other lodes I have seen and could name of the same character and composition. As these lodes penetrate the clay-slate, and are intersected by those elvan dykes, some of them must prove, and have proved, highly productive in tin and copper, which I shall show hereafter, now withstanding mining operations hitherto have been very limited in this district.

A large lode, cross-course, or mass of mineralized ground exists in the clay-slate, to the east and at the foot of the granite (I apply the term foot, as the granite ridge invariably rises considerably higher than the ground at the back of lode), distant shout three-quarters of a mile, having a bearing of 10° east of north and west of south, with an easterly dip, from a fr. to 20 fms. In thickness. This piece of mineralized ground proves highly productive at places for lead ore, whilst at places also small deposits of black copper are met with, accounted for, no doubt, by the seat and west lodes coming down from the granite, and crossing.

I am much surprised to find these districts so much neglected, and think, if capitalists will only turn their attention there, the result will be highly satisfactory. Next week, I shall particularly note the operations that have been carried on, beginning at Dunsford.—Exterr, June 25.

CORNWALL AND CARDIGANSHIRE-PRACTICAL MINING.

CORNWALL AND CARDIGANSHIRE—PRACTICAL MINING.

Sir,—For a long time Mr. Emnor's predictions have usually been reversed by the course of events, so that it has only been for Mr. Ennor to prophesy, and incontinently the diametrically opposite has been established. For example, after Mr. Ennor that dessed preaching the doctrine that our tin lodes would not make down, Wheal Vor and the discovery of that metal in the bottom of Dolocath appear, and completely capsise his unfortunate theories. Again, when he argues that bodies of copper ore are only found near grante mountains, the Liandadine Copper Mines, Pary's Mountain mines, in Angleses, Ectom, and the Cumberland mines, pertinacionsly prove the contrary. It is true that Mr. Ennor confines himself to Cornwall, but geological facts are obstinate things, and provokingly extend themselves to all countries. Again, if Mr. Ennor plumes himself on denouncing East Wheal Rassell, the levels refuse to obey his dictates, and by laying open ore ground augur a good mine, and the more he endeavours to explain the matter way the desper he sticks in the mud. It is a happy thing for Cardiganshire that Mr. Ennor undertakes to prognosticate her powerly; no doubt her success will be green to sund, in proportion to Mr. Ennor' prediction to the contrary. He has a singular way of proving the pancity of the Cardiganshire mining district. He says, if you abstract the Lisburne Mines—that is, such mines as Frongoch, Logylas, &c.—the district would be a poor one, just as much as if in reasoning upon the Redurch district one wave to say, if you leave out Builer, the Bassets, Tojgus, and a few others, the district would be a poor one, just as much as if in reasoning upon the Redurch district one wave to say, if you leave out Builer, the Bassets, Tojgus, and a few others, the district would not be worth much, or to prove that Taysicok is a poor mining districts by leaving out Devon Great Combols.

Again, Mr. Ennor says they are slow conches in Cardiganshire—the Mesers. Taylor and Son are the only

the general appearance of the favoured mining district, condemned by Mr. Ennor. It is not to be denied that there is some little point given to Mr. Ennor's envenomed arrow by the absurd practice followed by some people in this country of stating their capital as large, when their outlay has not been a third of it; and this affords a peg upon which ill-conditioned staticians hang an incorrect calculation of profits; but Mr. Ennor may take it as a truth that the mines of Cardiganshire are now making profit in one year to pay 35 per cent. for all the outlay spent in all the mines for the last 20 years. There is one redeeming feature for which I am happy to give Mr. Ennor credit, which is that he has recently spoken well of Tolvadden, in Cornwall; and one virtue covers a multitude of faults.—July 3.

WM. HATTYE.

TAVISTOCK, AND ITS NEIGHBOURHOOD .- No. 111.

TAVISTOCK, AND ITS NEIGHBOURHOOD.—No. III.

Sim.—In my last I told you I should visit the Virtuous Lady and adjoining mines, and in my way seroes Roborough Down I visited the Buller and Bertha Mine. Here a very promising lode has been discovered; although the shode pit is not more than 4 fms. deep, good stones of ore can be seen; the lode is from 3 to 4 ft. wide, producing beautiful gossan, and embodied in a soft clay, which is the character of the district. About half a mile from here is the Virtuous Lady, one of the oldest copper mines in Devon, the returns from which have been larger than any other mine in England at the same depth. The stratum at surface is a mass of large quartz rocks; beneath this is soft olay, in which the large deposits of ore, &c., have been found. The situation of this mine is the most beautiful that can be imagined, being at the point where the rivers Walkham and Tary meet. To the south, on the western side of the river Tavy, is the North Tavy Mine (late Little Dake); this has been worked off and on for 50 or 60 years. Above the adit level, which is from 40 to 50 fms. deep, as they approach the bills large quantities of copper and lead ores have been returned, and with the present good management will do well. Adjoining and on the same side of the river is the Tavy Concols Mine, and which has made large returns of copper ore, and is being worked in a spirited manner; but I fear the fall in the standard will affect this mine; still, with large lodes and machinery worked by water-power, as well as these arrises for all materials, the shareholders have nothing to far. East of the river Tavy, and adjoining this, is the Lady Bertha Mine, which promised so well at the commencement. Regular monthly samplings were made up to January last, and I believe the ores sold smounted to between 5000, and 6000. The return now are commancatively small, and I find on enquiry the shaft is only 4 fms. helow the 50 fm. level. What the management intends doing I could not learn, but I think conclining more

ON MINING FRAUDS.

ON MINING FRAUDS.

Sra,—I am greatly delighted to witness the efforts you are continually making in the Journal on behalf of miners and their interests. By showing the characters of some of those able men who have held the management of miners in their true colours you will do much good. Miners owe you a debt of gratitude for your endeavours. You do well (as you certainly are ably doing) to uphold bone fide mining, and expesses or orguery and mismanagement, for these will sometimes eresp in, in spits of every presention. It is also the duty of every one detecting such describing, and eight presention. It is also the duty of every one detecting such describing and ignorance to give you such information as shall make its promulgation world-wide. These means will keep the knaves more under dread than any other thing, save the cart's tail, which they rishly deserve.

In your Journal of June 30 you hesitate because of the law of libel. It is to be hoped the law of the land may be vindicated, or the law of Lynch enforced. The apselse of frand silluded to is not the only cause of failure. A large amount of which arises from incompetency in the management, Mining will do as an investment, if embarked in with prudence and perseverance; but we also want to improve our class of officials, numbers of whom are employed without having the most distant title to qualification, interest being wholly the cause of their selection for, perhaps, a handsome salary; this is little better than downright robbery.

If all pursers and scoretaries were like our Daveys and Taylors it were well; but many are the instances to the contrary. I know, from long experience, that not one in ten who set themselves up for pursers and scoretaries of mining companies know anything whatever of their duties, never having seen a cost-book, or knowing the use of the terms they enter in the report-book, or how to make up an account of seles of ores, not being able to obtain an account of seles of ores from the minnes, or replies to my letters. Now, had a p

Gold," it would appear that a revival of the excitement is apprehended which characterised the formation of the many gold mining companies in this country, with the fate of which we are unhappily too familiar, and deprecates all further allusion to, or mention of, projects having for their object the extraction of gold from quartz. That the companies alluded to have almost without an exception failed is notorious. But what were the causes of their failure? The principal I conceive to have been, the selection of persons as managers abroad utterly incompetent; the improvident expenditure of capital in unsuitable machinery; the purchase on exorbitant terms of "locations," without previously ascertaining their value; and the grand failacy of assuming that all the quarts of any given vein which indicated, in however slight a degree, the presence of gold contained more or less of the precious metal, and might be made to yield up its intent riches by crushing and amalgamation. It has now been clearly ascertained that gold does not impregnate the whole mass of quarts, but is only partially distributed, and that a careful selection must be made to render its treatment profitable. But the most important fact, the result of the most recent experience, is now found to be that the oxides, wherever they are observed in the quarts, and which in that state could be made to produce no gold whatever, can, by being submitted to chemical treatment, be converted into the metallic state, and made to yield extraordinary results.

Does your correspondent, however, intend to assert that there is no quarts in California which, even under the existing imperfect system, is worked with profit, and on a considerable scale? The fact is notoriously the reverse. Why, Sir, in the Times of last Tuesday, a letter appeared from the correspondent of that paper in San Francisco (and it must be considered a sirily and indicated prejudice and preconceived opinions, and visit the offices of the great problem? I have one considered a fair and impartial SIR,—From a communication in your last week's Journal, headed "A Word about Gold," it would appear that a revival of the excitement is apprehended which charac-

SOUTH LADY BERTHA, AND ITS MANAGE

SOUTH LADY BERTHA, AND ITS MANAGEMENT.

Sin,—In your valuable Journal of last wesk there is a paragraph, headed "South Lady Bertha," signed "One and All." The writer says the prospectus of South Lady Bertha looks everything one could wish, but where is the public faith? The writer professes to be a well-wisher to me, and easy, by openly declaring the mistakes made by me while agent of Lady Bertha Mine, the South Bertha shares will not hang long on hand. If "One and All" had pointed out the so-called mistakes, I should then have had an opportunity of replying to him. Fossibly, "One and All" in not aware that when I obtained the grant of this property there had not on any previous coeasion been a turf out for mining purposes, and from the first mosth's working (Sopti, 1855) 1371, 13s. 11d. worth of ore was sold. Then there was a cry that all the ore was gone; the cry did not manuate from me, as the returns will prove 1930, 5s. 2d. worth of ore being sold the second month, Nov., Dec. 3151, 2s. 3d.; and for 17 successive months samplings were regularly kept up, to the amount of 3554, worth of copper ore. There were sampled for Jan., 1857, 61 tons of copper ore, and if "One and All" will put his name to his letters I will tall him why more ore was a tot sampled for that month. Besides developing the mine and returning the large quantities of copper ore, I had to make roads and erest machinery, and no mine in the district made such rapid progress as the Lady Bertha did. If this be one of the "mistakes," I hope to be troubled with such in every mine I am connected with. It was said by me that the samplings would continue, and possibly increase; had I remained agent of the mine, I fully believe that such would have been down to the 30 fm. level by the middle or end of March, levals driving, and the same shaft now nearly down to the 40; and from indicating, eye would have been mat with at Goss's shaft and the eastern part of the mine. From what is past, I judge for the future. If "One and All" is or was a shareholder in

successor. The writer says I was not the only person at fault; there might be so cooking going forward, but I pledge my word there was none on my part, neit direct or indirect. My object from the commencement was to work legitimately, it does much work in as little time as possible, as time is money in mining, believ that Lady Bertha will be a good mine. If "One and All" will give his name, I answer any of his enquiries, but otherwise I decline to reply to him or any of anonymous correspondent.—July 2.

W. Goss

NORTH BRITISH AUSTRALASIAN COMPANY.

NORTH BRITISH AUSTRALASIAN COMPANY.

Siz,—The critical position of this company at the present juncture, as produced by a portion of the shareholders, demands some notice, in the shape of a review of its affairs since the formation, in 1829, upwards of 13 years ago. From the various statements issued by the management, this company, under the title of the North British Australasian Loan and Investment Company, has passed through a severe ordeal of troubles and visiasitudes, which will be more particularly alluded to in your next Journal. Suffice it to say for the present communication, that it never before was in so prosperous a condition as at this time, and this has been wought by the executive since the transfer of the management to London, to whom be all credit. No committee of investigation could ever discover the contrary; no doubt remains upon the point. The property is valuable, and the management elected at the meeting, on Monday last, have but to continue the efforts a obly put forth by the manager, Messra. John Taylor and sona, and the board of directors, to ensure this being the best dividend-paying australian property of the day. No miserable dodge of underpeying the working officials to gain a temporary applause at a meeting will ever succeed if a company is to prosper, pay your servants sufficient to keep them and their families as becomes their station, or eless perchances, the Robson or Redpath fashion of heights hemselves may be realized, to the detriment of the company. Shareholders, be warned in time; and if, as supposed, you intend altering your constitution at the needing of larger is pervaded the City since the determination of Messra. John Taylor and sons to reflect the product has shown to the men of the station of the station of Messra. John Taylor and sons to reflect the found that the greatest consideration must be brought to be a upon the point before their equals will ever be found. I will resume this subject next week.

July 3.

RATING OF ROYALTIES OF MINES.

The Committee reassembled on Tuesday. Mr. Kendall (Chairman), Mr. Smith Child, Mr. Foster, Mr. Davies, Mr. Spooner, Mr. M. Williams, Mr. Davey, Mr. Colvile, and Mr. Hussey Vivian were present.

Mr. RICARDO, Member for the Potteries, said he was anxious to have everal of his constituents examined upon this subject. Every district was distinct, and presented a different phase of this important question. The matter had taken a onger range than was anticipated, and as large interests and sum of money were involved, he hoped that care would be taken to have a witness from each district, so that ach particular phase of this question might fairly be placed before the committee.

The CHAIRMAN said the opinion of Mr. Ricardo was of great value, and is the enquiry involved thousands of pounds, he thought it would be false economy not one fully into the whole question.

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The Chairman said the opinion of Mr. Ricardo was of great value, and as the enquiry involved thousands of pounds, he thought it would be false economy not to go fully into the whole question.

Mr. WENTON, of Cheadle, Staffordshire, examined by Mr. SMTH CHILD,
—I am clerk of the Guardians of the Cheadle Union. The areas of the Union is 56,000 acres, and are likely to be still further extended. The thickness varies from 15,000 acres, and are likely to be still further extended. The thickness varies from 16, 10 3 ft. 4 in. The average orgality let at a royalty of 2s. 6d, per ton, with a minimum result of 2004, a year. These was not than after even firms in all. There is cool in the district, but the same of the cool than after even firms in all. There is cool in the district, but the cool of the cool o

ander the new Police Act, iser mines would not be liable to the rate, as it is levied with the poor-rate.

In answer to Mr. FOSTER,—The basis of the rate upon coal mines is 7d. per ton. I think the increase of the poor rates was owing to general depression of trade. In the event of any general siackness in iron mines the owner does not, owing to the great outlay, in consequence of a temporary cessation of the demand, cease his operations, but goes or ratising ors, waiting for a market. That is not so in the case of the manufacture of the district. I think miners will apply for relief as soon as any other body of men. I know the town of Wolverhampton and Dudley, and think them prosperous towns. If mines were to ease I do not think Wolverhampton would continue to becalled the "Metropolis of the iron trade," and have the position it now holds. I should say the great South Staffordshire coal field has had a good deal to do with the prosperity of Wolverhampton, and the contiguity of the mines may have increased that prosperity. The complaints of the agriculturists as to the oppressive nature of their rates have been very great. There have been a great many houses and shops built in connection with the mines, so that indirectly the mines are rated.

In answer to Mr. M. WILLIAMS,—In my opinion it is quite fair that the iron mines should be rated to the poor.

their rates have been very great. There have been a great many houses and shops built in connection with the mines, so that indirectly the mines are rated.

In answer to Mr. M. WILLIAMS,—In my opinion it is quite fair that the iron mines should be rated to the poor.

In answer to Mr. SMITH CHILD,—I cannot state the proportion of the mining to the other labouring population. The surface does not in all cases belong to the owner of the mines. The furnaces are rated about 604, each.

In answer to the CHARMAN,—The object of going on "stocking" ore is to wait for a rise in the market; and generally it realises a profit.

Mr. THOS. COPE, of Stroke-upon-Trent, examined by the CHARMAN,—I am Chairman of the Board of Guardians. The population is 57,000, and the ratable but the iron mines. The basis of rating manufactories is the rent, one-sixth being taken off. The principal royaity holders are the Duke of Sutherland and the lesses of the Duchy of Lancaster. The iron mines in the parish of Stoke-upon-Trent are more valuable than the coal mines. Out of 120,0001, a year ratable value, 12,000. I appear does not pay a farthing to the poor-rate. My attention has been called to the case of cardiants brought before me, and the amount of relief paid them during the same of the whole of the same of the whole of the mines. The parish of Stoke-upon-Trent includes a fair proportion of agriculturists, who do not depend in any way upon the mines for the sale of his produce. The mines is not a benefit to the agriculturist. The iron mines do not pay to the highway rate, and they consume one-tenth parts of the entire grows was taken 14 miles of 2 miles on the rents grows as taken 14 miles of 2 miles on the road.

Mr. JO

areer in the series and series and series and series and series are series ar

The in Broad-ing Mr. I submitted in the interest of the open come to me to me

meighbourhood which were rated to a most trifling extent—they pay less than a small factory. They are in no way rated in proportion to their value. The land is valued at 10 per cent, less than the annual rental, and from that one-twelfth is deducted upon which the rate is made. As to houses, they deducted one-sixth from the estimated value. This witness confirmed the previous statements.

Mr. ENGCH WEDGWOOD, of Tunstall, examined by the CHAREMAN,—The ratable value of Tunstall is 19,222. The manufactories pay 2032.; coal mines, 1592.; bocases, 10,3851.; railways and canais, 8504.; brickworks, 828.; and other property, 2785. The poor-rate has increased in ten years from its 8d. to 2s. 6d. in 11. The carriage of the Iron or over the roads involves a loss to Tunstall of several lundred pounds a year. I think iron mines ought to be rated. Tunstall consumes in its manufactories 50,600 tens of coal annually, and about 180,000 tens of ironatione. I think in common justice, considering these circumstances, ironatone should pay an equitable proportion towards poor-rates and the expenditure for municipal town and county purposes, and the repairs and estansions of the highways, and other necessary provisions and institutions from which advantages the highways, and other necessary provisions and institutions from which advantages are derived, more especially as the profits from this article are without parallel in commorful transactions. I say that the mines have brought an increased oppulation, which have demortalised the whole population, and rendered necessary an increase of poor and police rates. I have no hesitation in asying that the carting of the ore is more expensive to the parish than the whole of the other local traffic pat together; and the ratepayers have very just cause of complaint. The introduction of mines has decreased the value of the landed property. I should have no objection to mines if they paid their fair share of local burdens.

In answer to Mr. DAVIES,—The witness said the land was depreciated. He

The Committee reassembled on Thursday,—Mr. KENDALL in the chair.

The first witness was Mr. GEO. WIELDON, examined by Mr. SPOONER,—
He said he was the proprietor of coal and iron mines in the neighbourhood of Coventry. He could not state the principle upon which coal mines are rated. The coal mines have been worked upwards of a century, and large sums of money have been expended upon them, and no return has been made for the outlay that has been made. His opinion was, that very great injustice was committed by the rating of mines as at present assessed. He combated the opinion that all property, real and personal, should be rated; but if coal and iron mines are rated, then he contended that all other property, whether funded, or interest upon mortgage, or any other source of income, should be rated. The principle of rating now adopted is a tax upon capital, and not upon revenue. If it had not have been that he discovered ironstone a few years ago, which he is working, his mines would not have gone on; in fact, the discovery of that ironstone alone made the mines pay. He, therefore, contended it would be unjust to increase the present difficulties of those persons engaged in mining enterprise by rating ironstone mines. He cited the opinion of Lord Mansfield, and several high legal authorities, in favour of his view. He was a magistrate in three counties, and had seted as a Chairman of the Board of Guardians, and before he gave up the chairman-ship the poor-rate was considerably reduced. No doubt there was an increase of the means of support. There was as much, or more, fluctuation in ordinary manufactures as in mining. The rate varies from is, to is, M. in 1/2.

In answerto the Chairman,—He said his mine was called Hawkiely Colliery, and he had worked it since 1826. His father and brother worked it before him, and for 25 years they made no profit. Indeed, as far as coal went, he had not made a profit upon coal up to the present time. The ironstone would not have been profitable side he had not worked it with the The Committee reassembled on Thursday, -Mr. KENDALL in the chair

how they were rated, but the same injustice would apply in the case of "open" as in "siose" workings.

Mr. FREDERICK WRAGOE, examined by Mr. SMITH CHILD,—He said he raised about \$0,000 tons of ironatone annually. He came from North Staffordshire, and his mine was in the parish of Stoke-upon-Trent. The annual value of rateable property in the shape of houses had been very much increased by the erection of houses for the men. The men and boys are subscribers to the North Staffordshire Infirmary, and can demand admission there as a matter of right. The existing law is a continual source of embarrassment to all concerned. The rate is now a matter of compromise, and is very unsatisfactory. The surveyor can make a rate upon a colleiry at whatever he likes, and the remedy by appeal is of a most uncertain kind. It is usual for the coal masters to make a retura, which is supposed to form the basis of rating, but it is notorious that it is not so. The power exercised by the surveyor is of a most irresponsible kind. Because they declined to make that return, which the surveyor had no right to call for, he has increased their rate of 1600s, by 350 per cent. against which they had appealed. It could not be contended that the royalty of 3d. per ton was the annual value of a ton of coal, but it was the purchase money of the mineral; he, therefore, objected to the term "rating." He objected to the term "lease," as applied to the ilberty to get minerals, and the term "rating." as applied to royalty. He did not, however, object to pay rates, but he objected to the prevent mode of doing it. If the royalty is to be taken, he could not take the royalty which is the explicit, but the interest of the royalty should be rated. Many cases could be instanced to show the injustice of the prevent state of things. For instance, if a man pulled down his house the parish would not rate him on the sum for which he sold his house; or if a gentleman were to pull down any erection, the parish would not rate him on the sum for which he sold his ho

In answer to the Chairman,—The witness said the royalties varied very In answer to the CHAIRMAN,—The witness said the royalties varied very rice, and others at per properties are at per ton, others at a proportion of the selling rice, and others at per acre. He thought something ought to be done to vary the resent system. The population and wealth of the district had been considerably increased by the mining operations. In his district more people were employed about self-rect, but to the manner in which the rate was levied.

In answer to Mr. Davies,—He said the plant was generally constructed y what is called the lessee of the mine, and is rated separately.

In answer to Mr. RDLEY,—He said the royalty upon the mines beinging to the Duchy of Lancaster was one-twelfth of the selling price.

In answer to Mr. Spooner,—He said he did not object to mines being sted upon a proper principle.

In answer to Mr. Spooner,—He said he did not object to mines being rated upon a proper principle.

In answer to the CHAIRMAN,—He said he objected to the term "underground farm." A mine was not reproductive.

Mr. ROBERT HARTE, of Newcastle-under-Lyne, was the next witness, examined by Mr. Smrin Child,—He was Chairman of the North Staffordshire frommasters' Association. He considered the mode of rating was very unfair, it being upon the purchase-money of the estate. He found that colleries pay in the proportion of 10 to 1 to what was paid by manufactories, that is, taking into account the number of 10 to 1 to what was paid by manufactories, that is, taking into account the number of 10 to 2 to what was paid by manufactories, that is, taking into account the number is nade see under the said be upon a more just and equitable principle. He believed the mines pay their fair share of rates at present. In a great many cases there is a compact between the marters and their workmen to support their own poor through the medium of clubs.

In answer to Mr. Spooner,—He said the rate to the poor upon coal mines was made upon one-sixth less than the renai value.

In answer to Mr. Spooner,—He said the rate to the poor upon coal mines was a very great benefit to the neighbourhood. He found that coal was now rated more than both coal and ironstone put together ought to pay, if a proper principle of rating prevailed.

more used severalised.

Mr. Hugh William Williamson (firm of Williamson Brothers) was Mr. Hugh William Williamson Williamson Brothers)

Mr. HIGH WILLIAM WILLIAMSON (HIM of Williamson Brothers) was the next witness, examined by Mr. SMITH CHILD.—He said be was largely interested in mining, and employed 1200 men and boys: resided near Tunstail. He raised more ironstone than coal. He was rated to the poor, and last year paid as, in 11. He complained generally of the groes injustice of the present state of things.

In aniswer to Mr. Colvill,—He said he proposed to rate upon profits, and to the poor-rate alone. He would not extend it further than to poor-rate, for suppose a town improvement rate, those mines in the vicinity of towns would have to pay the rate, while others at a distance would be exempt, and which would cause those mines to be closed. The town of Tunstail had considerably increased since the mines had been working, but the beavy town rates were doing a serious injury to the neighbourhood, and preventing the extension of buildings there, which would otherwise their place.—The Committee then adjourned.

CORNISH STEAM-ENGINES.

The number of pumping engines reported by Lean's Engine Reporter for the month of May is 22. They have consumed 1405 tons of onal; and lifted 11.2 million tons of water, 10 fms. high. The average duty of the whole is, therefore, 54,000,000 ibs. lifted 1 foot high, by the consumption of 112 lbs. of coal. The following engines have exceeded the average duty:—

Mines.	Engines.	Length of stroke in the cylinder.	Loud in lbs.	Load per square inch on piston.	Strokes per minute.	Coals in owts., 112 lbs.	Coals p. horse- power p. hour.	Mill. lifted ift. high by consuming 1 cwt. of coals, 112 lbs.
Great Work St.Anbyn&Grylls	Leeds's 60 in	ft. 9-0 9-0	58,688 17,343 2,721	lbs. 14·7 13·1	9-2	662	3-7	71-7 58-7
North Roskear Sou. Wh. Frances Perran St. George Cargoll Mines	Doctor's 70 in Marriott's 75 in 60 and 100 in	10-0 11-0 9-0 9-75	68,380 68,623 40,397 43,477	14·2 15·4 12·7 11·2	6-9 3-2 6-4 3-6	2014 1830 949 1100	8·1 3·0 8·7	63·7 71·3 73·3 58·5
East Wheal Bose.	Michell's 85 in	10-0	3,723	127	4-9	1620	2-8	57-3

Engineers' Names.—Great Work, P. Roberts; St. Aubyn and Grylls, S. Grose; North Roskesr, J. West; South Wheal Frances, T. James; Perran St. George, Sims and Sen; Cargell Misse, Hocking and Loam; East Wheal Rose, Hocking and Loam.

Meetings at Mining Companies.

BOILING WELL MINING COMPANY.

A quarterly general meeting of adventurers was held at the a nine, on June 25, Mr. R. HALLETT in the chair. Mr. EDWARD KING (the secretary) read the notice convening the meeting, and

ment of accounts was presented, from which the	e suoj	OID	ed la	egad	œ	1000	1-
Balance last audit	721 618 844	13 5	4 6	£305	53	1	9
Copper ore sold	2863	1 3	9	301			
Balance and and advantages				-	-	0	-

Mr. Kino gave an estimate of the cost and return for the three following months, thowing a working profit of upwards of 600% for the quarter.

Mr. Henderson, the surveyor to the company, said he had excefully worked up he plans, and would explain the operations as Capt. Delbridge read his report.

The following report was then read:—

Mr. Kivo gave an estimate of the over and return for the three following months, showing a waving profit of upwands of 600, for the quark.

Mr. Historesco, the surveyor to the company, said he had carefully worked up the plans, and would explain the operations as Capt. Deliving reach its report.

The following report was then read:

Just 25.—Since our last meeting we have driven in the 60, east of the engine-shaft, on the iode about 05, fms. in a lode yielding some good stones of copper ore. Also rises a rise? Thus, 4 fm. fm the 60 to 30, and drives a cross-out north 7 fms. 1 for the propers not to value. In the 50, east of King's, we have driven about 15 fms. 1 for the surpers not to value. In the 50, east of King's, we have driven about 15 fms. on the louds, 5 fms. a lode from 10 to 18 in. wide, yielding lead, beads, and stone of copper ore, in tribute greand throughout. In the 50, east of ditto, we have driven about 115 fms. in 1 is 10 to 18 in. wide, yielding 135 to 18 in. in 1 lose 21, feet wide, yielding 3½ tone of blende and 5 to 7 cwts. of lead per fm. Also driven a cross-out 2 fms. browerds Austria's wines 2 fms. 0 fm. 2 in., in a lose 21, feet wide, yielding 3½ tone of blende and 5 to 7 cwts. of lead per fm. Also driven a cross-out 2 fms. browerds Austria's wines 2 fms. 0 fm. 2 in., in a lose 21, feet wide, yielding 3½ tone of blende and 5 to 7 cwts. of lead per fm. Also driven a cross-out 3 fms. browerds austria's shaft; in this cross-out we have met with a branch, or it may be Hallett's lode, having a south underlay, and yielding some stones of lead and 1 tone who have a lose of the south of

Resolutions were pussed forfeiting certain shares.

Messrs. Hallett, Boyle, Jones, and Austen, were re-elected the commagement, and the meeting terminated with a vote of thanks to the Chair

GREAT WHEAL BUSY MINING COMPANY.

A meeting of adventurers in this company was held on the mine, on June 26, Mr. NICHOLAS HARVEY in the chair.

The CHAIRMAN stated he must appoigles for having to meet his co-adventurers in the sawyers' house; but the manager was not prepared to meet upwards of 50 loca dventurers, and, what was more pleasing to him, several London shareholders, and wen one or two adventurers from Vorkshire, were in attendance.

Mr. Epwand Kino (the secretary) read the notice convening the meeting, and statement of accounts, from which the following its condensed:

Mine costs and merchants' bills, Peb Ditto, March	2959	19	1			
Ditto, April Lords' dues, 454, 16s, 6d. (less overcharged last account, 264, 10s, 9d.)	20	6	9=	£ 7808	6	10
Balance in favour of mine last audit Ore sold	£4493 1099	12 18	7=	5592	11	8
Relance against adventurors				£1912	15	Δ

Balance against adventurers

Capt. Pascoe then read the following report:—

Lapt. Pascoe then read the following report:—

Lapt. Pascoe then read the following report:—

Lapt. Pascoe the water is down 61 fms. 3 ft. below the deep adit in Harvey's engineshaft; we can now go through the eastern part of the mine at this level, and up
through the workings eastward. We cannot find any level in the western part of
the mine at the present depth of the water. We are informed by several miners, and
the plan, that the level is about 5 fms. deeper westward than eastward. The water
is still 4 fms. above the deep adit in East Wheal Chance and Treskerby. All the water
from Wheal Fire shaft to the western part of our mine is not even enough to supply
a 6-inch bucket at the above, the 60 fm. level. In the past month we have cleared
and secured offord's shaft if fms.—now secured to the 50 fm. level; cleared and secured
the 40, east of old sump-shaft; 12 fms.; cleared the 60 meets of leake to gast, 3 fms.; cleared the 24, east of
old sump shaft, 11 fathoms; cleared the 50, east of King's shaft, 13 fms. to make a bob-plat, act ground
the 50 fathom level, north of Harvey's shaft, 6 fms. to make a bob-plat, cut ground the 40, east of old sump-shaft, 12 fms.—now secured to the 62 fms. level; cleared and secured the 40, east of old sump-shaft, 5 fms.; cleared and secured the 50, west of old sump-shaft, 12 fathoms; cleared the 29, east of lidaw by shaft, 12 fathoms; driven the 30 fathom level, north of Harvey's shaft, 6 fms., to make a bob-plat, cut ground for bearers and cistern, to carry the lift in the 50 fathom level at Harvey's engine-shaft; made a plat in the 50 fathom level, at old sump shaft. In the coming month, it would recommend you to clear and secure of ford's shaft below the 62 fm. level, east of Offord's shaft; to case down the old sump-shaft to the 63, and also to case down Ring's and New Whesi Hodge shafts to the 60 without cleary, as we have there several pitches to let; to clear and secure the 50, west of old sump-shaft; to the deep shaft. Up to this date, we have cleared the county and other adits 4476 fms.; cleared and secured the 50 when the 50 shaft. Up to this date, we have cleared the county and other adits 4476 fms.; cleared and secured levels below the sail 33 tuble fms.; driven levels 17 fms.; cleared and secured shafts above and blow the sail 1837 fms.; driven levels 17 fms.; cleared and secured shafts above and blow the sail 1836 fms.; driven levels 17 fms.; cleared and secured shafts above and blow the sail 1836 mile fathoms of ground for foundations of engine-houses, stamps floors, and esicining and burning house; total number of fathoms, 18,928. Our south engine-house will be sompleted in a few days. We have also built a creather-house, pittana's house, sumpman's house; total number of fathoms, 18,928. Our south engine-house, sumpment of the messes and only the men who worked there that there is a wein of tin ore, 27t. wide, worth 35, the 18 gains; the lobe is several fit wide, worth altogether 9 owts, of tin per 100 sacks. We shall have this pitch in 18 days from this date; it will, no doubt, pay one-halif of our cot. The main loode here is standing whole to the south throughout this part of th

large quantities. Another point of importance is, a north lode joins the main lode at Davey's shaft at about the 60 fm. level; the ground is all whole from the 80 dawn, and judging from the composition of the lode, f should say there is pierty of coppers, in the neighbourhood. We have now 35 pitches working above the 63, at theirs varying from 9s. to 13s. 4d. in 1s., and several more to let is another menti. The copper or we sampled last was as sent up from underground, crushed last was as sent up from underground, crushed have not percentage: last time we could not possibly do it. We could have made out the percentage: last time we could not possibly do it. We could have made out the percentage: and time we could not possibly do it. We could have made out the partiest worth 3s, per ton by stamping it. We shall have the remaining 32 heads of stamps at work in five weeks from this date, 160 which will be at work in a found of the stamp of th

meeting, value about 2000t; and 700 tons of copper ore, value 2500t; total, \$400t; which time the mine will be dry, if forked as speedily as hitherto, and all our best pitches accessible; so that there will be no difficulty in then paying cost, and speedily progressing to a dividend state.—J. B. Pascor.

The Cuairman stated he had carefully gone into the accounts, and found everything correct. They had heard the able report from Capt. Pascor, which had entered into detail as to underground operations, and he had no doubt that the large and influential body of shareholders present had examined the machinery and surface works. The only surprise to him was the small amount of money expended to accomplish so far this great undertaking, which he had over and over again been told would take 200,000t, and to drain Great Wheal Busy would be to drain the whole of the western mines in the neighbourhoot. It never has been a question as to the value of this property. One and all in Cornwall know it has been a proverbial saying. "If they could only drain Wheal Busy is would be the best mine in the county but then look at the money it would take." They had now expended 30,000t, and had on the mine an 85-linch engine, which the manager informed them had drained the mine to the 32 fm. level in this short time, and were now dropping the lifts to the 77, which lavel would be unwatered in some 14 days, and he had no doubt before they must again the 50 fm. level would be dry, and from the plans the shaft was not must believe the to the 100. They had one drawing engine erected, and a second one now being put up, to command the western shafts, and a 36-linch samping engine, capable of driving 130 heads of stamps, crusher, &c. The floors were being rapidly laid down. In fact, from his long experience in mining, he believed the manager had domened in less time, and at much less cost, than at any other mine of the same magnitudes in less time, and at much less cost, than at any other mine of the same magnitudes in less time, and at muc

ESGAIR MWYN MINING COMPANY,

An adjourned general meeting of shareholders was held at the offices of the con-Mr. Gronge HELMORE in the chair

pany, Fenchurch-street, on Wednesday,

Mr. Gronge Hellman in the chair.

Mr. Robinson (the secretary) read the notice convening the meeting, which we called for the purpose of confirming the resolution passed on May 11.

The Charkman said the business of the meeting was to confirm, or otherwise, the resolution passed on May 11, for raising additional capital by the issue of preference shares; and if not, to wind-up the affairs of the company. Mr. W. Morgae was opinion that winding up voluntarily would be ineffective, and that they must resort to the Court of Chancery. They had since obtained the opinion of Capit. R. Rows, of the Laxey Mines, who stated that it 1000L could be devoted to the driving of the shallow levels, he felt convinced they would find a rich mine in Esgair Mayr; and with regard to Esgair Ddu, if properly worked, he considered it hardly possible but that the result must be a productive and successful mine to the shareholders. With so strong an opinion, they sent circulars to the shareholders, to ascertain whith they were prepared to take up the new capital, but had not received a single answer, and the board were not inclined to carry if on for the benefit of those who refused. Mr. Hackert suggested that, in the event of winding-up, he directors themselve had better apply to the Court of Chancery, which would not put them in a worse position, and as he considered it suicidal to wind-up, if they gave him a few days is would endeavour to induce some of the shareholders to take up the preference chars. After a lengthened conversation, the resolution passed on May II, for raising sidinoal capital on preference shares, was confirmed, with the understanding that Mr. W. Morgan was to endeavour to get not less than 1000 shares of 21, each taken up or before July 13, with 10s. deposit, and calls of 28. 6d. per month. In the vent of the whole not being subscribed, the money would be returned, and the conpany wound-up. A vote of thanks to the Chairman terminated the proceedings.

THE WILDBERG GREAT CONSOLIDATED MINING COMPANY.

THE WILDBERG GREAT CONSOLIDATED MINING COMPANY. A special general meeting of shareholders was held at the London Tavero, on Mosday.

Mr. Borrant Cartra in the chair.

Mr. Darlinoton (Phillips and Darlington) read the notice convening the meeting, and the report, an abstract of which appeared in the Mining Journal last week. The Cartrain of the Mining Mini

cept good reports; and whitst they confined themselves to German labour he did at think they would ever go on well. He (Mr. Vigers) would suggest that before the subscribed the 10,000t, they should send out somebody to thoroughly examine us report upon the mine.

The Chairman said he should call upon Mr. Phillips to answer some questions to by the proprietors. The present was not a regulation meeting, but they gave their counts as nearly as possible. He quite agreed with Mr. Vigers, that more mony sit time had been spent than ought to have been. The board had given much situate to the affairs of the company, and adopted what they considered the best means they believed they had an able superintendent and a good captain, but, from the mation received, had been induced to make some changes; and, although Hense Phillips and Darlington were resident in London, since their appointment Mr. Paillips had been for two months on the mines, and undertook to go there as often as means and labour alluded to, he considered it an important matter, and had sentout a proposition of Cornishmen to sink the shaft, as a beneficially an expensive the state of Cornishmen to sink the shaft, as a beneficial to the state of the state

as every account was examined by them, the Government not being entitled recognly null they made profits.

Mr. PHILLIPS said the surface operations were somewhat in advance of the mass.

Mr. TWHAM said Mr. Dean was too sanguine as to points of success, but he be

Mr. Os Tavistoci Mr. Es in which Capt. (The ad Mr. Bo The Ca

occupied ers. (H. were bro every sid would be directors for report pr make an take the in May. 1912/. 11 aggeratio gan to be of the cor plees sho laurels ar to feed K that at the widend w was near investiga He remit 12, 2151. 4 Mr. Bu The Cn the report

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THE CHOLLACOTT CONSOLS MINING COMPANY.

The first general meeting of adventurers was held at the offices, Union-court, Old productives, on Thursday,—Mr. Hanay Carnar in the chair.

Mr. Dary read the notice convening the meeting. A statement of accounts was abstitted, from which the subjoined is condensed:—March cost, 224. 14s.; April, 61. 8s. 4s.; May, 1054. 12s. 2d. =180/4. se. 6d.

The following report, from Capt. Carpenter, was read:—

July 2.—This being the first general meeting of shareholders since the company has been constituted, I bey to hand you my report, although it will be unnecessary for get to make lengtheened comments on the merits of the mine, or to enter into detail of the system of the company in the contract of the contr

NORTH BRITISH AUSTRALASIAN COMPANY.

spot mine.—The report and accounts were unanimously adopted, and a call of Ix. Printer man.

A role of thanks to Capt. Carpenter and the Chairman terminated the proceedings.

NORTH BRITISH AUSTRALASIAN COMPANY.

The adjourned meeting of proprietors was held at the London Tavern, Bishopsgate on Monday.

Mr. P. D. Hanow in the chair.

Mr. Benon (the secretary) read the notice convening the meeting.

The Cariman and the composition of the committee of investigation appointed at the last meeting, and it was with great reluctance he completed the present position, but he hoped he should be supported by the sharcholdware to be completed the present position, but he hoped he should be supported by the sharcholdware broken through the present position, but he hoped he should be supported by the sharcholdware who the hands of the sharcholders, it might be meeting to the printer of the committee of investigation and the nature of the successive of the committee of investigation and the nature of the successive of the support of the sharcholders, it might be meeting that the propert of the committee of investigation and the nature of the successive of the support of the committee of investigation and the nature of the successive of the support of the committee of investigation of investigation of the support of the committee of investigation of the present of the committee of investigation of the present of the principal points. The drive was raising the mine cost, according to a letter from Mr. Mackay of the present of the principal points. The short was raising the mine cost from 300, to 15000, per month, which they state may be a supported that when the should commend the supported the principal points. The short was raising the mine cost from 300, to 15000, per month, which they state may be a supported to the supported the supported to the supported

THE MINING JOURNAL.

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MINING IN JAMAICA.

The advices by the last mail are generally good. The Wheal Jamaica Company had shipped il tons of ore per Abel Gotter, it tons per Town of Lieseppool, and had 26 tons 8 owts. 3 qrs. ready for dispatch on June 9, which would be largely increased before Aug. 1. Thus, it will be seen that the Charing Cross Mine (the property of the Wheal Jamaica Company) has begun to export ore in earnest. During the last year the first shipment of ore in quantity was made, and some 60 tons, which realised an average price of 14t, per ton, were sold in Liverpool. Since the beginning of March in the present year further shipments have been made to the extent of 80 tons, and it is expected that upwards of 100 tons more will be shipped during the year. The first shipment in the present year by the 85s Roser, amounting to 35 tons, has been sold at an average price of about 18t, per ton, giving an average nett return of about 14t, per ton. At this average, the 80 tons of ore already shipped will realise 1100t, and the further shipments which may be calculated upon during the year may be estimated at from 1400t, to 1500t more, making the actual revenue from proceedequal to at least 2500t, for the present year. Now, this sum will go very far towards meeting the actual cost of the mine, and is a happy augury of what may be expected when the lode shall have been intersected in the 65 fm. level, and a more concentrated vein be subjected to practical development. The Charing Cross Mine is now a great fact; it tells its own history in the figures of its brokers. The question is now simply as to the time when the mine shall become remunerative, and this is obviously not far distant.

From the Rio Grande Mining Company, Capt. John Watson (June 10)

From the Rio Grande Mining Company, Capt. John Watson (June 10) writes—"We commenced driving the bottom cross-cut on Lawrance field, the week after Capt. Arthur left, and it is progressing very favourably; it is now about 11 fms. driven in and from the surface. At the commencement, and up to the present time, we have found nodues of silver and grey copper ore of the finest description. Today we took out a piece of fine ore about 50 lbs. weight. The ground is getting very hard; we have been obliged to blast the last 4 or 5 fms. I have been on Brookdale in Mr. King's yarnfield, and what is very remarkable, I have found extensively dispersed, and lying scattered about, fine stones of silver grey ore. I have taken out about 2 tons of undressed ore in about 5 fms. square below the lode, the lode bearing a continuous course over the hill. I have every confidence that the ore is of a high percentage for silver."

From Clarendon Consols, the advices from Captain Harpur are to June 9:—"The lode in the stopes in the buck of the 33 continues to produce some orey work. In the 49, south-west of shaft, the ground is much softer; in the 48, north-east of shaft, the ground has again taken its regular course. Mr. A. Tregoning, who was sent out to inspect the mine, has reported very favourably on its prospects, and the way in which it has been worked by Capt. Harpur. He adds that the climate at Stamford Hill Mine is healthy; the numerous persanty have readily taken to work in the mines, and are found to make expert workmen, under the tuition of the Corniah miners, who have hitherto enjoyed good health in these mountains. No difficulty has been experienced in employing the natives on contract work."

THE NEW GOLD DIGGINGS.

The Upata gold diggings on the Yuruari, in the neighbourhood of Bolivar, are, it appears, in the British territory, and communications have been received by the Governor from Mr. Matheeon, the British Consul at Bolivar. There are upwards of 600 people assembled there, and gold is said to be discovered in abundance at a depth of about five or six feet from the surface. The discovery of gold will form a new era in the history of British Guisna.—Times.

The Port of Spain Gazette, of June 8, however, says—"We have had no further direct intelligence from these gold fields. Letter from Maturin have contained information of a decidedly discouraging description. Several people have left for the Main in sailing vessels, and on Friday the Lord Harrir, which had to go to Angostura to be overhauled on the slip, advertised to convey passengers a very reasonable rates." A private letter says—"The intelligence from the gold mines at Yuruari is greatly exaggerated. Dr. Plassard, who was sent by the Governor of Bolivar to examine the place, gives a description which dispels all illusion. The gold exists at the spot indicated, but not in that abundance as was rumoured. The extraction is difficult, and, as regards washing, the earth must be transferred to a distance of three miles, no river being nearer. Very often the labourer does not extract more than 40 cents, worth of gold per day. The climate is very unhealthy. Those who go to the fields will meet certain death.

RECLANNING BROW—Mr. Logenty Lorge of Relievella Moore.

Reclaiming Bogs.—Mr. Joseph Jones, of Bolton-le-Moors, in explaining his idea of patent manures, and the reclaiming of bogs and rocky moor land, says the extensive bogs is a leading featigive in Ireland, but although there is this great expanse of uncultivated land, the bog soil possesses the principal elements of fertility. It is composed of potabs, carbon, and a fluid of nitrogen and hydrogen, or decomposed examencent ammonia for the decayed vegetable compost. Add salt; by electro-ohemical affinity there is formed nitromuriate of potabs (muriate is temporary), carbonate of soda, and muriate of ammonia. The muriates are changed into chlorates by the abstraction of oxygen, which bleaches, and is a better manure; part of the moisture of the bog is absorbed during the processes. It is well known that the boggy districts, and other districts of similar composition of soil in Italy, lessen the population much. In the city of Rome the deaths have exceeded the births by one-third for a long period, and the mortality is much greater in the Marcemma and Pontine marshes. It is not well to use sait-water, because the water deprives the salt of part of its virtue (oxygen). To reclaim rocky moor lands apply sulphuric acid diluted; some of the constituents of the stone being chaaged into sulphates, which are again decomposed by water and the sun, and particularly by the fluid proceeding from bogs.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDER.]

THE PERIAM AND ST. ANNES DISTRICTA.—Having lately revisited these fields of mining operations, I am induced to mention a five first through the medium of your Journal. We arrived in Ferran just in time to behold that triest specimenous, the pulling up of the materials from an oil and valuate to the triest specimenous, the pulling up of the materials from an oil and valuate to the triest specimenous, would not justify a spirited working, but because the subsystem of the converse will set to large a quantity of water into Perran United himsy phosometed to the other of the converse of the converse of the difficulties arising from their review, the mining of the converse of the difficulties arising from their of diversions and just to be found on their force, all longed we believe the chief value of Budnich to consist in its at present Score. Allonged we believe the chief value of Budnich to consist in its at present flower, and the substantial of the converse of of th

must have been manufactured in the "days when ore was young," of at all events when the beautiful process of glass-making was far less perfect than at the present day.—Ws. Frances.

Roseward Consols.—Great activity prevails at these mines; the engine-house, boiler-house, and stack, are in a forward state of completion; the amitbs' and carpenters' shops, store-house, and scoont-house, are completed and in use, and the engine has been delivered on the mine. The new shaft is down 16 fathoms from surface, in a beautiful stratum of mineralised ground, and the grey ore lode, which made such large returns to the west, will be cut at a depth of 25 fathoms from surface. Considering the disadvantages that have had to be snoountered, the shareholders may congratulate themseives that affairs are in such a forward state, and likely so soon to afford returns.

Wheal Tallack.—The engine and machinery are in bood working order. The shaft is down to the 10, and the plat will be completed in a few. days, when a level on the course of the lode will be extended both east and west. The lode at the shaft is about 20 in. wide, and worth for tin full 25, per fathom. The lives sale of tin, the produce of 4 fathoms of ground, realised upwards of 1004. This is a promising indication for the deeper levels, and if the present course of ore holds gived large returns will be made. The dressing pare are now preparing another parcel of ore for the market.

Nancemed Wheal Rose.—This mine is situated in the parish of Newlyn East, and is about one mile east of East Wheal Rose. The operations here can be little doubt of the success which will attend the workings here. The sett is can be rittle doubt of the success which will attend the workings here. The sett is can be little doubt of the success which will attend the workings here. The sett is comparatively untried, and a very small outlay will prove the value of this most excellent property.

Old Trewetter Consols—Wheal Rose.—The prospects here continue of a highly favourable character. The lode

WALKER'S PATENT DRY STAMPS are in practical use in some of the Welsh mines, and have given the most satisfactory result. The most that the inventor anticipated was that it would do the same amount of work as the wet stamps, but more efficiently, and without water. However, it has been found that, in addition to the stuff being turned out very fine, twice the usual quantity is daily returned, two men stamping 3 tons per day, although 1½ ton is a large amount with the same amount of labour.

amount of labour.

OBTAINING METALS FROM THEIR ORES.—Mr. Joseph Jones, of Boltonle-Moors, proposes several improved processes for this purpose. First, by heat:
the ores are previously pounded and placed in a basin of water, gently decomposed
by an electro-galvanic battery, the hydrogen of the water absorbing the oxygen of
the ore. The pounded ore is then ready for the furnaces of different degrees of beat,
one of the furnaces is reverberatory, the oxygen which ordinarily escayes through
the chimney is received by a metal pipe; when it reaches the ground, it is enclosed
in a pot or slate passage through water, or surrounded by a freezing mixture to the
cavity of the fan, and thence to the furnace. Oxy-hydrogen is the hottest of all
gases. Second, by electricity and dydrogen, and the chemical heat of vitriol alternately. Third, by electricity and dydrogen, and the chemical heat of vitriol alter-PORTABLE STEAM-ENGINE COMPANY (limited) .- This company starts

under advantageous circumstances, and is conducted by men of practical esperience in this department of engineering. A large trade has been done by the firm of whom the business has been purchased; and there is no doubt but that the employment of a larger capital than was at their disposal will be productive of the most beneficial results. The company has siready a large number of engines, varying from 6 horse to 25 horse-power, on hire, and which give the greatest satisfaction wherever they are employed.

The Inglesy Mining Company.—Mr. John Trowsdale, Stockton, is the successful tenderer for making the branch railway from Burton Head, on the North Yorkshire and Cleveland Bailway, to Ingleby junction, where the works of the Ingleby Mining Company are situated. The construction of the branch will, we un-derstand, be commenced immediately.

One of the first orders undertaken by Mr. Bastow, to be completed in the new ironworks being commenced by him on the Cliff House estate, West Hartle-pool, is the supply of an engine for a fourth ballast-crane, at the West Harbour, Hartlepool.—Hartlepool Mercury.

A FATHER AND SON KILLED IN A COAL-PIT.—As Richard and William Eilis, father and son, coal getters in Mr. Greaves' Chickenley Heath Colliery, near Dewsbury, were within a foot or two of the top of the shaft, in the ascending chair, the rope broke, and the cage fell to the bottom with the men in it, who were killed. The rope was round, of wire, about \(\frac{1}{2} \) cwis. The rope had been examined by Mr. Morton, Government Inspector, and on the morning of the accident appeared all sound.

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MEMS. OF MINES AND MINERS .- No. X.

Mr. MICHAEL LOAM, engineer (Redruth).—This gentleman is one of those natural mechanics whose talents and industry, independent of birth those natural mechanics whose talents and industry, independent of birth or patronage, raise them to eminence in their profession. This tasts in Mr. Loam displayed itself at an early period in a very decided and remarkable manner. In the session of 1833-34, that really practically useful institution, the Royal Cornwall Polytechnic Society, to which we in these notices have so frequently to refer, offered a medal and premium for the best working model of a contrivance for raising and lowering miners in the deep mines of Devon and Cornwall, it being found the great exertion necessary to reach such depths very much impaired the health of the men, as well as exhausted their strength materially ere they reached their place of labour. After working six hours in the atmosphere of a mine, the poor fellows had to climb 1200 or 1800 feet perpendicularly to the surface (let any one conceive climbing a perpendicular ladder nearly four times as high as St. Paul's after a hard day's work, and he may form some idea of the task). To see these men as they reached the open air on the top of the shaft, frequently burdened with 16 or 20 lbs. weight of bovers hung round their shoulders, piping with sweat at every pore, and panting with extreme exertion, was indeed enough to excite the sympathy of the philanthropist. Many plans, displaying great mechanical ingenuity and ability, were sent in to the exhibition, some by men of eminence in the scientific world, one very clever contrivance by Mr. T. B. Jordan, applicable to underlie shafts; but the premium and medal were awarded to Mr. Michael Loam.* After some trivial modifications and improvements, the machine was adopted at Tresavean with the most complete success; it is now in use at several of the deep mines, to the mutual benefit of the adventurers and the workmen. A splendid working model of this simple machine may be seen in the Model Room of the Museum of Economic Geology, Jermyn-street, St. James's. It is easily understood, its simplicity and comparative cheapness being some o or patronage, raise them to eminence in their profession. This taste in

Mr. MICHAEL WEST, engineer (St. Blazey) .- Wherever the fame of Cornish engineering has penetrated, there also will the name of William West be known. If it be unheard of by any person, he has only to visit Cornwall, and make enquiry of any miner, when he will be satisfied this notice is not inserted out of mere compliment. The stupendous engines bearing the name of William West are as remarkable for their number, bearing the name of William West are as remarkable for their number, efficiency, and economy, as their constructor is for modest worth and unpretending shility. Mr. West is well known for his generous hospitality, kind philanthropy, and plain unassuming manner. In his neat, comfortable, country residence, overlooking his works, he spends a well-earned independence, not in aloth or idleness. Mr. West has always boun distinguished for remarkable energy and industry, without which, indeed, the meet splendid talents are but as a light under a bushel. To attempt to catalogue his engines would be too tedious; their efficiency may be tested by reference to Browne's Cornish Engine Reporter, or any work on similar subjects. Some three years since the author of these papers met the subject of this at St. Austall by accident, and in the course of onversation the mine of South Dolcoath was on the tapis. "That," said Mr. West, "was the first place I ever put up an engine at." "And that," replied the author, "was the first mine I ever went underground in, during old Billy Bawden's (of Pengiggin Moor) captaincy, nearly 35 years since." Mr. West, as he eminently deserves, enjoys the society of a numerous circle of friends, by whom he is greatly respected and beloved.

The late Mr. Peart, miner (of Hawes, Yorkshire).—If to have been

The late Mr. PEART, miner (of Hawes, Yorkshire).-If to have been the pioneer in any discovery or science is not to deserve praise, we do not know on what subject to lavish it, or for what purpose it was intended. know on what subject to lavish it, or for what purpose it was intended. The subject of this paper was a person in the humblest sphere of life; he received an injury which affected his general health so much as to render his going underground impossible. Having gained considerable practical knowledge by his previous experience, he was well qualified for the task to which he devoted his attention—exploring the mountains, gorges, and rivulets of his neighbourhood for mineral veins and geological phenomena. His perseverance under the circumstances were remarkable: though wholly uneducated, he had acquired a vast amount of useful information, which he cleverly elucidated in his own familiar and concise manner, illustrating his views by capital examples, collected by his own hand, conveying a fund of instruction that no person would have expected to have found in so remote a region as the wild district surrounding the picturesque vallage of Hawes.

"Full many a gen of ourset ray screne.

"Full many a gem of purest ray screne,
The dark unfathomed caves of ocean bear;
Rull many a flower is born to bloom and blush unseen,
And waste its fragrance on the desert air."

The resumption of the Wensleydale Mines, after very many years' neglect, by the present company was principally owing to the discoveries and investigations made by Mr. Peart. It had been long known that lead existed in these hills, but the inhabitants solely directing their attention to agricultural pursuits, the lead mines were known only by tradition, and the corroborative evidence of old burrows on former workings. Mr. Peart, however, sought out the voins in every part, with the assiduity and determination of an enthusiatic explorer. During the summer heats, when the water courses are partially dried up, there our here was to be seen, hammer in hand, breaking away the various specimens. To him, the whole neighbourhood was as familiar as his own garden. At length he prevailed on a few of his patrons to set some portion of the property to work; he had the satisfaction, ere he died, to know that they were partially successful, and that his anticipations were correct, though not to the extent since ascertained. The author was employed by the company to go over this sett, as it was termed, 13 miles long by 11 miles wide, the major part of which abounds with small and shallow lead veins, some flat and some perpendicular, as well as some extensive copper and lead lodes. In this examination he was accompanied by Mr. Peart, whose vast fund of information, collected under such circumstances, struck him as extra-ordinary, and deserving of remark here, as being worthy of equilation. In this examination he was accompanied by Mr. Peart, whose vast fund of information, collected under such circumstances, struck him as extraor information, collected under such circumstances, struck him as extraor information, collected under such circumstances, struck him as extraor information. ordinary, and deserving of remark here, as being worthy of emulation. Though poor, he never met the reward, in a pecuniary sense, his industry and talent deserved. Had he been educated, he would doubtlessly have and talent deserved. Had no been educated, he would accorded by his contributions, and those of history recorded his name. The regret of his not having been so should spur on all to bring about the consummation so devoutly to be desired, when every man shall be so educated as to be able to transmit his views and opinions, at least in an intelligible, if not

Mr. WILLIAM CRAIG, mining engineer (Kettlewell, Yorkshire) .- In this gentleman we have a perfect epitome of what Mr. Peart should have been—a well educated gentleman, a man of talent, a good practical miner, Having almost wholly devote lead mining, Mr. Craig professes that department more particularly—being, in fact, the principal agent in his locality, where load only is worked. Mr. Craig has the superintendence of several mines, both in the Wensleydale and Kettlewell districts, which are well known to be wrought in the dale and Kettlewell districts, which are well known to be wrought in the most careful and skilful manner; some of them, being now sufficiently developed, are yielding satisfactory results, whilst others are progressing towards maturity, with capital prospects. Mr. Craig deserves great credit for the manner in which he has managed his mines and his adventurers, most of whom had previously never been engaged or acquainted with pursuits of the kind; had they not had the most implicit confidence in his integrity and ability, he would have found it impossible to have induced them to be so persevering as they have been, or to have laid out so much capital without any return (a part so discouraging to all but miners) until the vein was cut. Mr. Craig has been more than usually successful, arising, undoubtedly, from his sound judgment and great experience. He enjoys an extensive patronage as a mine surveyor and inspector, for which duties an extensive patronage as a mine surveyor and inspector, for which dutie

• The author has good reason to remember this, as he also received a medal on the same occasion, as did Mr. Burnard (the Cornish sculptor), T. B. Jordan, and others. He mentions the circumstance with a just pride, which he trusts will not be misconstrued into egotism.

he is most eminently qualified, understanding thoroughly, as he does, the limestone and millstone grit formations, to which his daily svocations necessarily call his attention. In conversation, Mr. Craig is communicative, highly interesting, and instructive, conveying his views and experience in the most ready and friendly manner, without the least reserve or affectation. The author has enjoyed an ovening in Kettlewell in this gentleman's society, with as much profit and satisfaction as he ever spent one in his life, and hopes at some future period to do so again.

Mining Correspondence.

BRITISH MINES.

ABBEY CONSOLS.—E. Williams, June 25: We had the hole through to-day at a castern part of the mine. The stopes in the back of the castern level are looking ell, but they are not yielding so much blends or lead as they generally do, espeally at the western part of the stope; the sastern part, however, is looking quite as ell. The western shaft is nearly cut to its proper size below the addit level. We are cathagt the leak, but we do not intend to dress much until waçan are how much per new can have for it. The 20 tons of ore are in the storehouse.

ALPRED CONSOLS.—White Trainers Inc. 20: The look in Field's engines.

ton we can have for it. The 20 tons of ore are in the storehouse.

ALFRED CONSOLS.—M. White, T. Trelesse, June 29: The lode in Field's engine-shaft, sinking below the 150, is just as reported last. The lode in this level, east of said shaft, is 4 ft. wide, composed of capel and spar. The cross-cut in the 140 south is progressing favourashly. The lode in the 180, west of this shaft, is just as for some time past. The morth part of the lode in the 180, east of 20 south is proper ore 250, per fm. The south part of the lode in this level, east of said shaft, so far as seen is 5 to 6 ft. wide, producing good stones of copper ore for the whole width. No south wall yet seen. The north lode in the 180, east of this shaft, is worth for copper ore 701, per fm. The lode in No. 1 winze, sinking below this level, east of said shaft, is worth for copper ore 701 to 120; per fm. The south lode in this level, east of said shaft, is worth for copper ore 201, per fathom. This lods in the level, east of said shaft, is worth for copper ore 500, east of said shaft, is worth for copper ore 500, per fm. No change to notice in any other part of the mine since the last report.

BALLYMONEEN.—W. Barkia, June 27: The 3, driving west, is producing a great

B.LLLYMONEEN.—W. Barkis, June 37: The 15, driving west, is producing a great deal of spar, stones of sulphur, and spots of copper. The 15 cross-out, driving north, is without any change worthy of notice. The 15 west has been driven since last re-port 4 ft.; total, f fm. 1 foot. The 15 north has been driven since last report 5 feet: old, 12 fm. 1 ft. The engineer is busily engaged in heaving in the engine; after great difficulty, we brought the boiler to the mine to-day.

BEDFORD CONSOLS.—J. Hodge, July 2: Since my last the ground at the engine-shaft has a little improved. We have found a difficulty about the air. We have, however, put in air-pipes, and the men have resumed sinking. The lode is large and orey in the rise this week. The air has been very dull; so much so, that the men could not work. These men are now cutting winse plat, preparatory to sinking in bottom of adit. This winne will be sunk on the shoot of ore gone down, about which I hope to say a little more in my next.

one on the rise week. The air has been very duit; so much so, that the min could not work. These mere now entiting wines pett preparatory to disking is bottom of adit. This wines will be sunk on the shoot of ore gone down, about which I hope to say a little more in my next.

BEDFORD UNITED.—J. Phillips, July 2: The lode in the 145 fm. level east is 2 ft. wide, composed of capel, spar, and spots of ore; the same remarks are applicable to the lode in this level west. The lode in the 130 east is 3 ft. wide, composed of capel, fluor-spar, mundio, and stones of ore, but not sufficient to be termed saving work. The lode in the 113 west is 7 ft. wide, yielding 1 for ore per fm. The lode in the back of this level will produce from 5 to 6 tones of ore per fm. The lode in the stopes in the back of the 115 east will yield 3 tone of ore per fathom. Pauli's stopes in the bottom will turn out 4 tons of ore per fm. The lode in the 105 west is 25 ft. wide, producing stones of ore occasionally, and looking kindly. Jackson's stopes in the bottom of this level east will yield 3 tone of ore per fm. The lode in the 105 west is 15 ft. wide, producing stones of ore occasionally, and looking kindly. Jackson's stopes in the bottom of this level east will yield 3 tone of ore per fm. The lode in the 105 west is 15 ft. wide, producing stones of ore occasionally, and looking kindly. Jackson's stopes in the bottom of this level east will yield 3 tone of ore per fm. The lode in the 105 west is 15 ft. will be 10 ft. will be 10

CANTELL.—W. Koostry, July 1: Nothing now to report this week.

CASTELL.—J. Lester, June 21: The masons are getting on with the walls of the rru-hing-mill-house; I have begun to get the things from the foundry. Mr. Thomas fonce has sent to Bristol for timber, as there was none in Aberystwith—which has rrived. We can now begin to get the beams and other things ready.

CATHERINE AND JANE CONSOLS.—J. Treweek, July 2: The lode in the deep did end is very much improved, and will now produce from 10 to 12 owts. of lead or (m., and still offers a further improvement. We have commenced operations in the dressing of the lead. No alterations in any other part of the mine.

per fm,, and still offers a further improvement. We have commenced operations in the dressing of the lead. No alterations in any other part of the mine.

GLIAH AND WENTWORTH.—J. Vivian, C. Glasson, June 27: The 80 crosscut. driving south of Walter's engine-shaft, is extended 5 fms. 3 ft.; ground much the same as it has been—hard for driving, but highly mineralised, having veins of copper runing through the ground for several feet of our driving. If Whitsford's lode continue the same inclination north as it had in the 60, we expect to intersect it in 2 or 3 fms. more driving.—Julia Lode: In the 60 cross-cut, driving south-west of Walter's shaft, we have intersected a portion more of this lode, 6 in. wide, composed of quartz and mundic, with a small portion of copper. In the 50, driving west of Mary Ann cross-course, is communicated to the 50, and the back let on tribute at 10s. in 1t., to four men. In the 30, driving west of ditto, the lode is 6 in. wide, worth 6t. per fm.—Whiteford's Lode: In the 60, driving west of cross-cut, the lode is further of the contribute of the cont

ground most congenial for making copper ore.

COLLACOMBE.—S. Mitchell, June 30: During the last month the rise in the 72'
west of Morria's engine-shaft, has been put up 6 fms.; the lode is composed of quartz,
mundle, prian, and rich copper ore. The 62, west of the western shaft, has been
friven 3 fms. 5 ft. 6 in., and the lode worth 3 tons of rich ore per fm. The 62, east of
Morris's shaft, has been driven 3 fms. 9 in.; the ground is of a highly promising character, composed of quartz, biende, prian, and rich copper ore. The 40, west of the
western shaft, has been driven 1 fm. 5 ft. 6 in., and the lode worth 1 ton of copper ore
per fm. We sampled 151 tons of good quality ore at Newquay on Friday last.

CWM DAREN.—June 29: Capt. Tregoning has fixed the tackle on the top of the astern winze, to draw up the water. The driving in the 10 fm. level is at presen improductive. The copper stope yields a moderate quantity of ore.

CWM ERFIN.—A steady progress has been made at this mine since last report the engine-shaft is now in good course of sinking below the 69, by six men. The look in the same is 2 ft. wide, unproductive for lead ore; veins of spar are intermixed in the same is 2f. wide, unproductive for lead ore; veins of spar are intermixed throughout, and the lode carries a well-defined north wall. The stope over the back of the 69, east of the rise, has rather improved since last report; lode on an average 5 ft. wide, yielding, at this time, I5 owts. of lead ore per fm. Nothing has been done in the 57, east of drawing shaft, since last report. Those men have been driving a cross-cut south from the 57 north, to communicate with the winze such in the dead piece of ground below the stope named in my last report. I should remark that the leavel was driven north of the jode at this point? fme., at which place we had to drive a cross-cut this distance to communicate with the winze before referred to. The men when sunk the winze have again commenced to stope east of the same as deep as the ore made down, which is within 3 fathoms of the back of the 57; the lode here yields from 6 to 8 cwis. of lead ore per fm., with every appearance of an improvement. The lode in the 45, going east of the junction, is 25, ft. wide, yielding 8 cwis. of lead ore per fm.; I expect to communicate this level with the north workings in a day or two. No alteration in the 30 cross-cut since last report. The lode in the 15, going west of engine-shaft, has again got small, being no more than 10 in. wice, composed principally of spar and spots of copper ore. We sample, this day, 33 tobs of good quality lead ore.—June 30.

DAREN.—J. Humphrey, June 29: In driving Francis's level, the ground has

this day, 35 tons of good quality lead ore.—June 30.

DAREN.— J. Humphrey, June 29: In driving Francis's level, the ground has chauged and become very hard, which encourages the hope that we cannot be far off. The two stopes in the back have improved, and two more men are employed to work at them with davantage. In level Coed, four men are now stoping instead of two, in consequence of an improvement in this level. The tribute bargains are without any material change; the yield of ore is sufficient to give the miners tolerable wages.

DEVON AED CORNWALL UNITED.—T. Neill, June 30: Is Bastard's end no lede has been taken down since my last report. We continue to rise by the side of

the lode in the back of this level, and intend doing so until we level above. The lode in the stope, west of rise, is worth 10 The lode in the midway level end is still looking well, worth 7 The lode in the stope in the middle level, east of new shaft, A pitch in the bottom of this level is worth 2 tons of ore per

A picon in the occupion of this series is work a load of the per inst.

DEYON BURRA BURRA.—J. Sparge, July 2: I have just come up from ground, and have merely time by this post to say that the lode in the do east ing promising; it is more composed of blue peach, and contains also native on DEYON WHEAL BULLER.—W. Neill, July 2: The 32 fm. level and we tinues to look well, yielding fully 3 tons of good quality ore per fm. All other tinues to look well, yielding fully 3 tons of good quality ore per fm. All other tinues ontinue much the same as last reported.

DOLWEN.—F. Evans, Jane 37: The adit level has been driven last week 3 ft. 4 in.: total driven, 52 fms. 0 ft. 1 in.; the lode here is 6 ft. wide, composed of kindly span and gossan. The valley shaft has been sunk 1 ft. in the last week: total sunk, 1 fs. 4 ft. 6 is.; the men have been putting in the tackle and timbering. You will observe by the ground plan that the two lodes are come together about this shaft, and where their appearance will fully warrant its sinking: it ought to be sunk 20 fms. deep, when there would not be the least doubt of meeting with a good mine at the junction of these lodes.

when there would not be the least doubt of meeting with a good mine at the junction of these lodes.

EAST CARN BREA.—Thos. Gianville, June 30: There is no alteration in the mine to notice since last week's report.

EAST MOSEWARNE.—W. C. Vivian, June 37: In the 22, east of the engine-shaft, the lode presents a more favourable appearance than for some time past, and is producing very fine stones of yollow copper cre. In the 22, east of the engine-shaft, the lode is about 1 foot wide and orsy. The stope in the bace of the level, east and wast of the rise to the 12 (which has been hot), are producing well, and will materially affect our next sampling. In the 22 cross-cut north the ground is much easier for driving through than it has been not we shall now make more indicated the standard of the most lode, the intersection of which is one of the most important points in the mine; as nearly as we can junge, we have about 4 fathons more to drive to intersect the lode. In the 12, each of the second western whim-shaft, on north lode, it is 1 foot wide, and spotted with yellow cre. In the 6, east of the second western whim-shaft, on the morth lode, it is 1 foot wide, and spotted with yellow cre. In the 6, east of the second western whim-shaft, on the morth lode, we are rising in the back on a good branch of copper ore. Nothing has yet been interested in the 12 cross-cuts either morth or south. Our next sampling will be better than the last, and we hope to go on improving in this respect, of which there seems every chance at present.

EAST SORTEIDGE CONSOLS.—A. Down, July 2: We have fixed the lift, main rode, rolls, stays, &c., and resumed sinking again last night. No change in the appearance of the lode.

EAST WHEAL FALMOUTH.—W. Burrows, July 1: In the 20, north of engine.

pearance of the lode.

EAST WHEAL FALMOUTH.—W. Burrows, July 1: In the 20, north of engineshaft, the lode in the end is producing good stones of lead ore, having a very promieng appearance. The west lode is producing good stones of lead ore, and letting
out water freely. The stopes in the back of this level are worth about 10 cwiss, of lead
ore per fair. We have not yet out the east lode at the cross-cut in the 10, but expect
to do so in a few days, as it is letting out water fast. The stopes in the bottom of the
10, south of Morcomb's winze, are just as last reported.

EAST WHEAL RUSSELL.—J. Goldsworthy, July 2: We are busily engaged in
stripping down the lode in the 66; it produces good stones of grey copper ore, and
looking promising. We have no siteration in any other part of the mine to notice
since last report.

GAWION COPPEH.—J. Gill. Juna 30: The

EAST WHEAL RUSSELL.—J. Goldsworthy, July 2: We are busily engaged in stripping down the lode in the 66; it produces good alones of gray copper ore, and tooking promising. We have no alteration in any other part of the mine to notice since last report.

GAWTON COPPER.—J. Gill, June 30: The ground at the engine-shaft is still hard, and our progress at present is rather slow; therefore, it will require a little more time to reach the 50 than we expected, being mow 13 fms. below the 36; the more time to reach the 50 than we expected, being mow 13 fms. below the 36; the more time to reach the 50 than we expected, being mow 13 fms. below the 36; the more time to reach the 50 than we expected, being mow 13 fms. below the 36; the more time to the stripping of the compared of mode and the stripping of the compared of the stripping of the compared of the stripping of the compared on Priday last, computed, 50 tons of copper ore, and the plant, for 331. I set the 18, most of Pearce's shaft, on the north lode, to four men, at 59s, per fathon; the lode is 3 feet wide, composed of flookan, carbonate of lime, blande, spots of copper ore, and occasionally stones of lead; we have from 4 to 5 fathoms to drive to get under the No. 1 winse in the 18, sinking for the communication of air. I set the No. 1 winse in the 18, sinking for the communication of air. I set the No. 1 winse in the 18 to two men. at 50s, per fathom; they have such in the past month 4 fathoms; lode 2 fest wide, composed of flookan and stones of lead. The layer of 18 fms. 3 fm. o

the produce was 10½.

GREAT SOUTH TOLGUS.—J. Daw, July I: No lode has been taken down in his 30, west of new shaft, in the past week. In the 70 the lode is 1 ft. wide, unproductive. In the 60 the lode is 3½ ft. wide, producing 7 tons of copper ore per fm. The lode in the rise in back of this level is 5 ft. wide, producing 10 tons per fm. In the 50 the lode is 1½ ft. wide, producing at lone of ore. In the 40 the lode is 2½ ft. wide, producing at lone of mundic, quartz, and jack, with a little ore; the lode in the rise in the back of this level is 2½ feet wide, producing 5 tons per fm. The stopes and pitches are looking well.

looking well.

GREAT WELSH.—Captain Kernick, June 27: In taking down the lode in the 39 southward we find it continues large, with good leaders of lead ore, and in doing this work we have discovered a lode in the western wail of the lode being taken down, bearing 43 degrees west of north, and at the point I expected, as I noticed in a former report. I cannot yet report the size of this lode now being devoloped, but have bride from it this day some fine stones of lead ore. This lode is harder than the north lode, and is throwing out a fair stream of water; it contains much red oxide of iron, but nothing that is unfavourable for lead. The rise in the back of the 29, on the north lode, will produce 1 ton of lead per fm.; it is 5 fms. north of the lode now out. The men clearing the 10 south have 5 fms. more to extend to be over the rise just noticed. The cross-cut south in the 10, towards the old miners' lode, is harder than last reported; we have seen lastly in this end some small strings of lead dropping towards the lode beyond us.

ne lode beyond us.

GREAT WEST SORTRIDGE.—J. Richards, July 2: Fair progress is being made staking the engine-shaft. In the 30 west no lode has been taken down; the ground

the lode beyond us.

GREAT WEST SORTRIDGE.—J. Richards, July 2: Fair progress is some analysis favourable for progress.

GREAT WHEAL ALFRED.—M. W. Michell, W. Arthur, June 27: Since our last report, very little has been done in the 170 and 180 fm. levels, in consequence of our having a great quantity of staff to clear previous to our re-commencing driving. The lode in the 160 fm. level east, on the south part, is 2½ ft. wide, worth from 181 to 184. per fm.; the lode in the 160 west, on the north part, is composed principally of flockan and spar. We purpose cross-cutting from the present end to see the south part. In cross-cutting south between the 183 and 180 fm. level we have intersected a branch of good ore, about 6 in. wide; the end is still in the cleans, therefore we shall extend it a fathom or two more. In the 185 fm. level we have been cross-cutting from the north. All the branches seen in going west are converging, it which point we have every reason to expect an improvement. The guides for the skips are down to the 135 fm. level at Copper-house shaft. No change in any other which point we have every reason to expect an improvement. The guides for the skips are down to the 135 fm. level at Copper-house shaft. No change in any other part of the mine.

— M. W. Michell, July 1: I am of opinion that we shall have something good in our 14s west shortly; all the branches, which vary in width from 2 to 6 in., are coming together; the end is improved since Saturday last.

GREAT WHEAL BADDERN.—J. Jenkin, June 30: In the 66 fm. level, east and went of the sink, the lode is 14 in. wide, averaging about 8 cwts. of lead per fm. In the 61 end, east from the eastern engine-shaft, the lode is 15 in. wide, containing mundid, spar, and a little lead. In the winze in the bottom of the 51 fm. level east the lode is 18 in. wide, producing good stones of lead ore. We intend sampling in the coming week two parcels of silver-lead ore. All other operations throughout the mine are looking much the same as for some time past.

GR

GREAT WHEAL YOR UNIFED.—M. W. Martyn: the pumping and winding soince are working well. Crease's shaftmen have been clearing the shaft of stuff ask old timber below the 214, sent away the drop-lift to the 227, and cased and divide the shaft from the 174 to the 194. Trelawny's shaftmen have sent away the drop-lift to the 227. The water in Crease's shaft is drained to the 219; it would have been as deep as the 227, but for the stopping of Trelawny's engine to fix the plunger-lift, and sending away the drop-lift in Crease's shaft. The tribute department on Mais, Truman, and Sosen lodes, consists of 25 pitches, employing 65 men, at tributes willing from 10s. to 13s. 4d. in 14.—Wheal Metal: The tribute department consists of five pitches, employing twelve men, at tributes varying from 10s. to 13s. 4d. in 14.

HAWKMOOR.—J. Richards, June 29: The lode in the engine-shaft is 3 feet vide, producing more capels then has been seen in any part of the lode east of the gristross-course, which we consider a good indication. In the 50 we are opening on orth on the cross-course, and shall use every means to see the lode on the westen side. In the 40 weat we are driving by the side of the lode, which has a very promising appearance to improve. Other parts of the mine are without alteration.

HERWARD UNITED.—J. B. Lightoller, July 2: Batters'sengine-chaft is ngod source of sinking, and we may hope to get a communication with the adit level is the course of another month. It will be recorded that it is expensive shaft, with

ourse of sinking, and we may hope to get a communication with the acit is the course of another month. It will be recollected that this expensive slaft, set—mengine, &c., was undertaken for the discovery made in Rockell's cross of another the course of another month of the course of another word of the course of the

HINGSTON DOWN CONSOLS.—W. Richards, July 1: There is no change of in-ortance to notice since last report. We sampled, on Friday last, May and June one

ere per fa 10 cwta. 10 cwta. 15 cwta.; per fm. LADY

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Fina, and atones of ore.

SOUTH BEDFORD CONSOLS.—J. Phillips, July 2: The lode in the 62 fm. level, sat of Red Whin chaft, is 2 ft. wide, producing a little saving work; in this level wast the lode is 3 ft. wide, producing from 1 to 2 tons of ore per fm. The stopes in the back of this level are worth 2 tons of ore per fm. Since our last report, we have affected communication in the 49 west with the 49 east of Gullet's shaft. The stopes is the back of the 36, west of this shaft, are worth 3 tons of ore per fm.

SOUTH CARN BREA.—T. Gianville, June 30: No alteration to report here.

SOUTH CARN BREA.—J. Delbridge, E. Chegwin, June 29: In the 64 east the lode a disordered, and not having a favourable appearance; as this end has been poor for great length, we might recommend it being suspended, and put the six men to

THE MINING JOURNAL.

STREET AND ADDRESS OF THE PROPERTY OF THE

new in Thomas's engine-shaft; the sumpmen arefixing pitwork, &c.

WEST POLBERRO.—J. Stevens, July 1: Monday last being our setting-day, the following were the tutwork bargains:—English's flat-rod shaft to sink by nine men, at 91. 10s. per fm. The 20 east, on North Seal Hole lode, by four men, at 77. per fm. The 20 east, on Bush's lode, by four men, at 55. per fm. The 20 west, on same lode, by two men, at 45s. per fm. The 20 east, on the North Seal Hole lode, is just the same as last reported—2½ ft. twide, apringed with ore and mundo throughout. In the 20 east, on Bush's lode, the lode is of the same size as last reported—2½ ft. wide, and much of the same character. There has been no atteration in English's flat-rod shaft since my last. The flat-rods and pitwork in this part of the mine are all fixed and in working order. All the other operations are going on estisfactorily.

WEST WHEAL TOWAN.—June 30: There is no particular changes to mention

WEST WHEAL TOWAN,—June 30: There is no particular change to mention since our last report. The 65 cross-cut, south of Vivian's, is still spare for driving. In the last few days the water has increased in the present end of the level; this looks promising that we are near a lode. Another 6 ft. will bring the lode properly

down in the 65 fig. herd, went of Virtuary; thou, If there is no improvement, we Hampston's loted in the 85, and of Caroliforth, is make improved, and will key for extension of the state of the 18 to 18 t

We sampled a parcel of ores, computed, 5t tons.

WILLOW BANK.—J. Sanders, June 29: Our pay and setting-day was on Saturday, when the 17 west, from eastern engine-shaft, was set to drive by six men, 3 fathoms stent or the month, at 5t. The adit level to drive east to communicate with the boundry shaft by six men, at 4t. So, per fm. The eastern engine-shaft was set last month to sink to the 30 by nine men, at 18t. per fm. We hope reach the 30 in about a month. The lode in the 17 west is not quite so wide as it has been, but still producing a little lead ore, and very likely to improve. The adit level is extended 49 fms. There is about 25 fms. more to drive to communicate with the shaft, which, if the ground continues as at present, we hope to do in November.

OLD LOCOMOTIVE ENGINES.—Four locomotive engines, which had been in the service of the Glasgow and South-Western Railway Company from its opening, having run themselves down to less than express speed, have been discarded, and sold at prices ranging from 1434, to 2001.—Glasgow Mercantile Advertises.

*With last week's MINING JOURNAL WE gave a SUPPLEMENTAL SHEET, which contained—Cornish Mine Photographs—No. IV.: Sampling Day; The Rating of Royalties of Mines: Evidence given before the Select Committee of the House of Commons; On "Jigging Ores;" Rooks and Mineral Deposits of Namaqualand—No. IX.: A Word about Gold; Mems of Mines and Miners—No. IX.: Capt. T. Lean (Marasion), Capt. Henry Francis (Goldsithney), Capt. Charles Thomas (Dolcosth), Captain John Champion (Cargoll), Mr. Jehu Hitchina (Tavistock), Captain Nicholas Ennor (Wiveliscombe); To Intending Tourists through Cornwall—No. III., &c., &c.

REVIEW OF BRITISH MINING.—In a SUFFLEMENTAL SHEET to next week's Journal we shall give a Review of the Past Quarter, and some particulars of the Position and Pospects of the Principal Dividend and Progressive Mines, by J. H. Murchison, Esq., F.G.S.

Che Mining Market; Prices of Metals, Ores, &c.

Tough cake		TAL MARKET, London, July 3, 1857.
Copper wire p. b. 0 1 5 - 4 Citto tubes p. 0 1 5 - 4 Sheathing and boits p. 0 1 1 - 5 Bectoms p. 0 1 1 - 5 Bectoms p. 0 1 1 - 5 Sections p. 10 0 0 0 Sections p. 10 0 0 0 Sections p. 10 0 0 0 Set selected p. ton 10 0 0 Set selected p. ton 10 0 Set	COPPER. S. s. d.	
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Altto, Swed. in Lon	Ditto, rail way, ditto 7 00-7 50	10 Chargoal, 1st qua. p. bx. 1 19 0- 3 0 0
In stock to arrive		1A Ditto 1st quality ,, 2 8 0- 2 6 0
Fig. No. 1, in Clyde 3 15 0 - 317 0 Ditto, in Types and Tees 3 10 0 - 317 0 Ditto, forge 3 10 0 - 315 0 Estaffordshire Forge Fig. 3 10 0 - 4 0 Welsh Forge Fig. 3 15 0 - 4 0 English Pig 24 0 0 - 25 0 Ditto patent 25 10 0 - 0 Ditto patent shot 27 0 0 - 23 10 strings and Tees Ditto patent shot 27 0 0 - 23 10 strings are face Rails, p. ton Ditto patent shot 27 0 0 - 23 10 strings are face Rails, p. ton Baass (shoets) p. lb Hallows 115 0 - 118 Cooks p. 118 0 - 118 LX Ditto p. 10 0 - 10 0 Conada plates p. 10 0 - 10 0 Conada plates p. 0 - 18 10 Conada plates p. 0 - 18 10 Conada plates p. 0 - 10 0 - 10 10 Conada plates p. 0 - 18 10	in stock to arrive 18 0 0-18 0 0	10 Ditto 3d quality 11 1 8- 1 18 6
Ditto, in Tyne and Tees. 3 11 0 - 3 13 0 Ditto, forge 2 10 0 - 5 0 0		1X Ditto 2d quality 2 36-2 4 6
Ditto, forgs Fig. 3 10 0 - 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1C Coke 1 18 0- 1 18 6
Staffordshire Forge Fig. 4 15 0 - 5 0 0		IX Ditto
Weish Forge Fig	Sta Cardebine Hornes Dies 4 15 0 0 0	
English Pig	Welsh Forms Pie	
English Pig 24 0 0-25 0 0 Ditto sheet 22 10 0 - Ditto sheet 22 0 0-25 10 0 Ditto sheet sheet 27 0 0-25 10 0 Starling's Non-laminating, or Hardened, 32 10 0-23 11 0 Banaish, in bond 23 10 0-23 11 0 none, none, mone, Banas (sheets) p. lb. 1146-124. Wire Ditto Wales 4 0 0-5 5		
Ditto sheet	English Pig 91 0 0 95 0 0	routs w metal Sheathing p. 15, 11 1/4 -
Ditto versiles 25 0 0-25 5 0 Stirling's Non-lamina- ting, or Hardened, Ditto patent shot 27 0 0-25 10 Stirling's Non-lamina- ting, or Hardened, Ditto patent shot 27 0 0-27 10 0 Starage Rails.p. ton Baass (shoets)p. lb. 11d.—12d. Wire Ditto Wales 4 0 0-5 5	Ditto sheet 25 10 0	Wetherstedt's Pat Met. newt 9 9
Ditto white	Ditto red lead as a a as a a	
Ditto patent shot 27 0 0 -27 10 0 Surface Rails.p. ton Siriling's Patent Glasg. — 5 5 Toghende Pigs Wales 4 0 0 -5 5		Comittee a rion-mining-
spanish, in bond		
American none none none to the first school of the none none to the none to the none to the none to the none none to the none to the none none to the none none to the none to	Branish in hand	Surface Daile w ton
Baass (sheets)p. lb. 11d12d. Ditto Wales 4 0 0- 5 5		Stirling's Patent
Wire	American none,	Toughened Pigs Glasg 5 5
Wire	BRASS (shoots) D. lb. 11d . vas	Ditto Wales 4 0 0- 5 5
Makes Chargon Pigg !		
11005		Indian Charcoal Pigs
13d -14 V d. in London	13d -14 v d.	in London
A.4 the works, is. to is, 6d. per box less.	at the works, is.	to is, 6d, per box less,

REMARKS.-No material alteration has occurred in the currency of metals. The demand generally is of a limited character, and the market for most metals wears a quiet appearance.

Coryen.—The opinion entertained by dealers still prevails in favour of a further declenation, which keeps the market in an unsettled state, merchants holding back their orders in anticipation of a reduction of 1d, per lb. Iron.—Scarcely any variation has taken place in our quotation, the market continuing quiet, and makers exhibit firmness in prices. Scotch pigs at one time receded to 73s. 6d., m.n.; but to-day sellers quote a slight advance, our closing quotations being 74s. and 74s. 6d. m.n., cash, g.m.b., f.o.b. in the Clyde.

LEAD.—Without anything further to add with respect to the position and prospects of this metal, sellers maintain previous prices.

Spelly.s.—Holders report rather an improved enquiry, and demand an advancy of 5s. per ton: 30t, 15s. has been paid for a few hundred tons for arrival. The stock here on the 1st inst. was 1147 tons.

Tin.—English is quiet, but steady. Banca, in Holland, has changed hands at 77 fl., since which sellers demand 80 fl. Straits has slightly risen in value, purchases having been effected at 123t, the former part of the week, but the last few days 129t has been stated to have been refused.

Tin Plates.—Contracts are now easily passed for IC coke, at 33s., good brands.

Steel.—No further arrivals have been entered.

Quicksinver.—There is now nothing offering at 2s. per lb. Corres. - The opinion entertained by dealers still prevails in favour of

QUICKSILVER.—There is now nothing offering at 2s. per lb.

The Tin Thade—'(Froma Correspondent).—As the time of the Dutch sale draws nearer, the speculations as to the probable price which will be realised increases; and whilst some predict that last year's prices (72\frac{2}{3}\frac{1}{1}\), will not be exceeded, others gravely declare that there is no chance of cheap tin during the ensuing twelve months. Taking all the circumstances of the case into consideration, there can be little doubt that the latter opinion is by far the more likely to prove true; and should the highest bidder be under 75\frac{1}{3}\frac{1}{3}\text{. will be really surprising, as the production of tin has not materially increased for some time; and but for an occurrence which, although it could not much injure the position of the market, had a powerful influence upon holders, tin might now be worth 150\frac{1}{3}\text{. and the tin mines of this country in a much better condition. At the date of the sale last year, the prices quoted upon the English market were nearly 'the same as at present, but tin could then be bought below the quotations; and it, therefore, appears feasible to anticipate 75\frac{1}{3}\text{ as the average, unless some great change takes place within the next fortnight. Last year's sale comprised 167,382 slabs, and the present will only be about 1'90,705 slabs (see Mining Journal, June 5), which, compared with the knoreased consumption, would cause a rise rather than otherwise. The miner must feel an interest in the result, as the price during the following year seldom goes below that realised at Rotterdam the preceding July.

Liverdol, July 2.—There is no new feature of importance in our

LIVERPOOL, JULY 2.—There is no new feature of importance in our metal market since our last report. The demand for the general kinds of manufactured Iron has been of fair extent, more especially for Staffordshire hoops, rods, and sheets. Bars have been in less request. Welsh Iron it quiet, and the feeling is in favour of present rates being maintained. As an easier state of money matters is looked forward to, it is not improbable that its effect will be experienced in an increased demand from all parts; and from the decision arrived at by the iron trade at their preliminary meeting, just held, being to support current rates, it is evident that the trade is healthy. Scotch Pig-iron still exhibits a downward tendency, owing to an almost entire absence of business, and the declension in price may be quoted as 1s. per ton. The shipments for the week are 6863 tons, against 6603 tons for the corresponding week of last year, being still an access—say, to the extent of 260 tons. There is nothing new in Tin. Tin-platos, especially coke, are in increased demand, and prices are a shade firmer; a further declension in the price of this article is not probable. Copper and Lead remain as last quoted, with a moderate demand. The firmer; a further declension in the price of this article is not probable. Copper and Lead remain as last quoted, with a moderate demand. The following are the quotations:—Iron: Merchant bar, 7. 12s. 6d. to 71. 15s. per ton.—Tin: Common block, 130l. per ton; common bar, 131l.; refined block, 134l.—Tin; lates: Charcoal, IC, 37s. 6d. to 38s. 6d. per box; coke, IC, 32s. 6d. to 33s.—Lead: English sheet, 25l. per ton; English pig, 24l.—Copper: Cake and tile, 117l. per ton; best selected, 120l.; sheathing and bolt, 1s. 1d. per lb.—Yellow metal sheathing, 11½d. per lb.

as the panie of 1847. Money, however, is getting m dividends are due in a few days, the prospects of an early harvest most encouraging, and we learn further, from good authority, that the metal trade on the whole looks better. We trust, therefore, that the reaction, trifling as it may be, which has just commenced may be the precurs trifling as it may be, which has just commenced may be the precursor of a great improvement in business transactions, and also in prices, for the continued fall his been disheartening, not only to those who merely speculate, but to those who hold for investment, and do not so much care for market fluctuations. One of our suggestions, a fortnight since, for improving the standard—that mines should decrease their samplings until a better price could be obtained for cres—has been adopted by one or two companies, and will, we understand, be followed by several others. The Devon Consols will sample at least 700 trues under their regular monthly quantity; and if, as we believe, the stock of copper in hand is small, and the demand good, the effect of this example being followed will could be visible in an improved price for ores. Lead appears to keep up, and shares in lead mines are firmest in the market. This low, but attention is being turned to the tin trade by several parties alive to the large profits made, and we hope to see the smelters act more liberally towards the tin miners, who are far too much dependent upon them.

Devon Consols shares have been more freely offered at lower quotations,

and we hope to see the smelters act more liberally towards the tin miners, who are far too much dependent upon them.

Devon Consols shares have been more freely offered at lower quotations, and leave off at 440 to 445, sellers. Basset shares at low prices meet with buyers, 236 to 245; South Frances, 290 to 295, and a dividend due in a few days of, probably, 81 per share; North Basset have kept at 15 to 16, with scarcely any business doing; West Basset, 28 to 29, also flat; for Great South Tolgus there have been several buyers, at 16½ to 17; East Basset also buyers, at 38 to 40, and the mine improving for copper in the 62 east; Grenville, 1½ to 1½; Uny shares have been picked up quietly during this week, at 2½ to 3½, the daily expectation of cutting the lode at the 40 being the chief inducement to purchase; Bell and Lanarth also enquired after, at 2½ to 3½, the daily expectation of cutting the lode at the 40 being the chief inducement to purchase; Bell and Lanarth also enquired after, at 2½ to 3½. Many small low-priced shares, in fact, have found more attention than usual, the depreciation having been great, and there is considered to be a fair prospect in many of a favourable reaction. Wheal Margaret shares share somewhat recovered their depression, and have been buyers at 55. Margery shares still remain flat, at 10 to 11, but more enquired for. Rosswarne, 33 to 34, and several shares changed hands; it is supposed the water will not be in fork for another week at least, and the samplings are small. Herodefoot shares have been onsiderably in demand, and maintain their price better than any shares in the market, 7½ to 7½. Cook's Kitchen, 5 to 5½, and more in request, Great Alfred, 6½ to 7; the mine will soon be in full operation again. Alfred Consols have been more sought after, at 16½ to 17. East Alfred advanced to 2½, 3, and in good demand. Tolvadden flat, at 9 to 10; Tre-lawny, 24 to 25; West Alfred Consols have been in request, and women to the following will now be commenced east and wost on the lode. Boilin

Mining Exchange Official List of transactions during the week:—

Monday.—Catherine and Jane, 9s. to 9s. 8d.; Cook's Kitoben, 5 to 3%; East Alfred,
2-16, 2-16, 2%; East Bases, 37; East Russell, 18s., 18s. 6d., 18s.; Great Alfred,
7, 6%, 7; Herodsfoot, 7%; Margery, 10% to 11%; North Levant, 2% to 24%; Rossewarne United, 38s.; South Condurrow, 3s., 3s. 6d., 3s. 9d.; Tamar Consols, 23s. 6d,
to 24s. 6d.; Wheal Edward, 6, 61-16, 6, 6%; Wheal Mary Ann, 45%.
Tussday.—Catherine and Jane, 9s.; East Russell, 18s. 6d.; Gawton Copper, 16s.
to 17s. 6d.; Herodsfoot, 7%; North Downs, 1% to 1%; Tamar Consols, 25s. to 26s.;
Wendersday.—Bell and Lanarth, 2% to 3; Herodsfoot, 7%; Tamar Consols, 23s.,
24s., 23s.; Wheal Edward, 6, 1s. 3d. to 6%; Wheal Uny, 3.

THURSDAY.—Bell and Lanarth, 2% to 3; Herodsfoot, 7%; Tamar Consols, 23s.,
24s., 23s.; Wheal Edward, 6, 1s. 3d. to 6%; Wheal Uny, 3.

THURSDAY.—Catherine and Jane, 9s.; Gawton United, 14s. 6d. to 15s. 6d.; Herodsfoot, 7%; Noewarne United, 31; Tamar Consols, 1%; Wheal Edward, 5%, 6, 6%;
6, 6%; Wheal Mary Ann, 45% to 46; Wheal Uny, 3.

FIEDAY.—Alfred Consols, 17%; Catherine and Jane, 9s. 6d., 9s. 6d., 8s. 8s. 6d.,
9s. 3d., 9s. 9d.; Condurrow, 120; Drake Walls, 26. 12s. 6d.; East Alfred, 3, 2%, 3;
East Rossewarne, 18s. to 16s.; East Bussell, 19s.; East Trefusis, 6%; Great Alfred, 6%, to 6%; Lady Bertha, 11s. to 12s.; North Basset, 25s., 26s., 30s., 27s. 23s.; Rossewarne United, 341; South Toigus, 145; Tamar Consols, 22s. 6d., 23s., 6d., 23s., 6d., 24s., 65.

(1) the Stock Exwhange the following business has been tenganged in Mining Exchange Official List of transactions during the week:

On the Stock Exchange, the following business has been transacted :-SATURDAY, JUNE 27.—Great Wheal Vor, 4½ to 4½; Sortridge Consols, 1½; San ago de Cula. Mospax.—Alfred Consols, 15 to 151/. Great South State Consols, 12; San

SATURDAY, JUNE 27.—Great Wheal Vor, 4½ to 4%; Sortinge Comson, 172; Sentinge of Cuba, 2½;
Mosnay.—Alfred Consols, 16 to 16½; Great South Tolgus, 16½; Wheal Basset, 288; Wheal Edward, 6½;
TUREDAY.—Sortridge Consols, 1½; Wheal Edward, 5½; Santiago de Cuba, 2½;
United Mexican, 3½ to 3½;
WEDNESDAY.—Cobre Copper, 52; Santiago de Cuba, 2½;
THURSDAY.—Cobre Copper, 52; Santiago de Cuba, 2½;
THURSDAY.—Alfred Consols, 16½; Great Wheal Vor, 4½; North Wheal Basset, 15½; ex div.; Imperial Brazilian, 1½; Santiago de Cuba, 2½.—Transactions, though not officially marked: East Basset, 40; Wheal Margaret, 56; Alfred Consols, 15½; East Alfred, 3½; to 3½; South Condurrow, 4s. 6d., 5s.; South Frances, 290.
Faiday.—Great Wheal Alfred, 6½; St. John del Rey, 11; Cobre Copper, 52.

The Sales of Copper Ore at the Cornwall Ticketings, during the quarter

enging	Ju	ne, ı	00	, we	ere as i	HIG	1	12	_								
Date.	A	v. sta	and.	. 1	Prod.	P	rice	٥.	To	ns or	re. I	?ine	eop		Amou	nt.	
April 1		£147	10		614	\$6	9	6		3598		225	0		£23,292	1	0
					6%											19	6
,, 23	*****	150	10		51/2	5	11	0	*****	5313		293	10		29,555	15	0
,, 30	*****	146	10		616	6	16	0		3579	*****	233	11	*****	24,375	15	0
May 7		145	2		6%	7	4	6	*****	3117		214	9	*****	22,550	0	6
, 14		145	- 6	*****	63	7	1	0		4765	*****	321	18	*****	33,666	8	0
,, 21	*****	143	14	*****	6	5	17	0		5001		298	12	******	29,163	19	6
,, 28		142	8		616	5	19	6	******	4283		262	17	******	25,653	11	0
June 4		137	7	*****	616	5	13	0		3700		224	11	******	20,670	7	0
,, 11		129	8		6%	6	6	0		4619		314	5		27,962	19	0
,, 18		133	13		5%	4	17	6		5223	*40000	297	17		25,445	1	6
,, 25															16,899		
	Tot	al for	th	e qua	rter	1050	****	***	5	0,972		3188	7		£311,847	2	6
															349,124		
			ditt												816,599		
			ditt	0											299,273		
	Tot	al for	the	year			9591		19	8,697	i	3074	8	1	,276,844	12	0
															319,211		
															308,633		
We															induce		

append to our last quarter's statistics in the Journal of April 4; the

particulars of the sales of copper ere at Swa June 30, 1887:— Standard. Produce. T	ons of ore.	Amount.
April 21	1,594 1,135 1,582 1,428	23,036 7 27,640 1 18,611 16
Total Quarter ending March December, 1856 September, 1856	9,976	142,474 8
Total Showing a quarterly average. Corresponding quarter, 1856	9,889 10,217	£903,844 9 150,961 2 150,757 13

It will thus be seen that the past quarter shows a considerable falling off in tons and money from the corresponding quarter of last year, all that several of the foreign, as well as the Irish, mines have brought had to market; notwithstanding which the standard has been on the droping order from sale to sale—accounted for by the fall in the price of cake coper during the periods named.

It may easily be conceived that the present price of copper will naturally cause a considerable decrease in the rate of dividends from foreign as well as Irish mines, and that neither will send more ore of low product to market than they are obliged to whilst it continues down, consequently decreased quantities for the ensuing year may be safely contemplated.

The following are the Government Returns of the exports of article identified with mining, the produce and manufacture of Great Britain, the five months ending May 31; and also as compared with the corn sponding five months of 1856; extracted from the "Accounts relati Trade and Navigation," published by the Board of Trade :-

to Trade and Management				35 91	
DECLARED VALUE	FOR THE !	IVE MO	MIRS ENDING	PRAY OL.	
		1856.	-	1931 *	Intress
Coals and culm Hardwares and cutlery		370,680	************	1,566,634	195,39
Machinery : Steam engines			£404.493		
Other sorts		879,607	921,234=	1,328,717	440,15
	63,	259,236	£	4,002,453	£111 <u>2</u> 2
DE STATE OF THE ST	EA58.057		7100,010		
Bar, bolt, and rod 2	1,567,841		2,836,049 84,112		
Wire			342 702		
Wrought1	432,265=4	875,305	1,567,917 =	5,531,320	656,0
Wrought	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	288,662		338,639	\$33
Steel, unwrought	298,444		232,066		
Copper-Unwrought			684,698		
Sheet, nails, &c	44,268=1	010.432	157,042=	1,073,806	63,1
Wrought	11,200=1	34 933	***********	53,947	10.7
Brass	***********	94,000	248,827		· · · · · ·
Lead, pig, sheet, shot, &c	208,037	270,618		338,882	60.2
Leud ore, litharge, &c	62,581 =		113 408	200,000	111 40/1
Tin, unwrought	86,151 568,119=	654,270		767,740	113,6
	-			10 100 700	#1 and
Grand total	1	0,393,455		12,196,766	£1,803,

At Camborne Ticksting, on Thursday, 2860 tons of ore were sold, realing 16,807% 5s. 6d. The particulars of the sale were—Average stanks 129% 18s.; average produce, 6s; average price, 8s. 17s.; quantity of the copper, 190 tons 2 cwts. At Redruth, on Thursday, 4190 tons will be at

The arrivals at Swanses include—From Seville, 100 tons copper on Aveiro, 180 tons copper or from Almeris, 103 tons copper on Hamburg, 1848 plates speiter; from Matire, 50 tons copper on Limpies, 166 tons zinc ore; from Algiers, 226 tons copper on Caldera, 93 tons copper or callera, 93 tons copper or caldera, 94 tons caldera, 94 tons caldera, 94 tons caldera, 94 tons cal

The following dividends have been declared since the last monthly turn, published in the Journal of May 30 :-

	Mines.	60	10	6	********	£10500	0	0
Mini	ng Company of Ireland	200	10	0			0	0
Par	Consols		0	0	**********		0	0
	al Basset		0	0	************		0	0
	t Wheal Seton			0		2020	0	8
Alfre	ed Consols	(0	Bennager	2000	0	ě
Nort	h Basset	0	10		444444444	0.000	0	
Der	ent	10		0	*********	0500	0	a
Isla	of Man	1	0	0		0004	0	Ä
Mar	y Ann	2	5	0	**********	1050	0	×
	oath		0	0	*********			Ä
	urne		0	0	**********	1200	0	9
	al Kitty (Lelant)	1	0	0	*********	1024	0	-
	combe		4	0	*********	1000	0	0
Lax			0	0		1000	0	0
	Pool		10	0	*********	960	0	6
	al Wrey		0	0		819	4	0
	warne United		10	0	*********	768	0	0
	al Jane		10	0	************	768	0	- 0
			0	0	**********	768	0	- 6
	t Caradon		0	0	***********		0	0
	ean		0	n		#40	0	0
	yetwith		0	0	Negation and the same of	EG4	0	0
	eal Seton		0	0		417	0	- 6
	durrow		0	0	********	K 1 (2)	0	0
	dron Consols		-	0		500	0	0
Vale	of Towy	0	0	0	**********	300		_
	Total					254,170	0	-

The Laxey Mining Company paid a dividend, on Tuesday, of 500, pathere, or 10001; and the mine altogether is looking well.

and the mine altogether is looking well.

At East Pool meeting, on Monday, the accounts showed—Balance
Audit, 1761, 16s. 16d.; ore sold, April and May, and the sold June, 36481. Its.
33234. 15s., 6d.—Mine costs and merchants' bills, April and May, 28127. 16s.; interpretable of advour of adventurers, 10124. 19s. 6d. A dividend of 9604. (7. 18s.
share) was made.

At the Mining Company of Ireland meeting, on Thursda;" (the pub-culars of which are given in our Dublin correspondent's letter), the available set were shown as 13,893. 19s. 10d., from which a dividend of 10,500f., equal 30 is needed, was declared.

The Par Consols meeting have declared a dividend of 30s. per share At Great Wheal Busy Company meeting, on June 26, held on thems fr. Nicholas Harvey in the chair), the accounts showed a balance against the inturers of 1912. 15s. 5d. A call of 20s. per share was made. Messrs. Harvey in Messrs. Sandys, Vivian, and Co., Mr. R. Offord, Mr. Wm. Viyian, Mr. J. J. J. Inniger, and Jas. Fielding were appointed the committee of management. The chings, which are fully detailed in another column, terminated with a yote of that the Chairman.

ceedings, which are fully detailed in another column, terminated with a vote of case to the Chairman.

At Nanteos and Penrhiw meeting, on Monday, the accounts showed as he balance in hand of 2584, 7s. 3d. The profit for the past five months had set 1434, 15s. 11d. The mine has greatly improved, and the returns will probably much increased in a short time. The 20 west, under adit, is worth from 8 to 10 set for man d locking better in the end. The 10 east is under the place where index was very productive in the adit for 30 fms. in length, and a cross-out will be yout, as the lode is very wide in the 10, and they cannot carry the whole of it. In the back of the adit there is a course of ore 70 fms. long, which remains as a recerve at the ventilation is improved. In the 30 east, above adit, there is the best course of yet seen in the mine, and above and below it is whole ground; the lode is will 30 cwts, per fm., and likely to continue, and can be taken away at 25s. to 30s. per fm 30 cwts, per fm, and likely to continue, and can be taken away at 25s. to 30s. per fm and the ventilation is to be on the same per of the lode, bonsequently very important discoveries may at once be made by one of the lode, bonsequently very important discoveries may at once be made by our time the very limit the very limit of the prospecty the prospects are very gown and by driving cross-outs in several places good discoveries are confidently expects.

At the Chollacott Consols Mining Company meating, on Thursday (M.

322 3 0 703 5 0

rable falling at year, and brought less the drooping of cake cop.

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Britain, for the corn ts relati

... 63,23 £1,803,41

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The pro-

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c ; April, en Couris g balance reported and Ker itors.

is. 2d.: 1. 15s. 3d rose, re eal Ros id that

shows ad Apri-geon an 8s. 6d: payais ere ver to work

ination of the membraic again the mine except for the purpose of such sale and relination of the membraic against the second recolution was empowering the secretary to proceed against method the second recolution was empowering the secretary proceed against membraic against court, or otherwise.

At Wheal Kitty (St. Agues) meeting, on June 25, the accounts showed —Tiu and copper sold, 39734. 9s. 3d.; balance least audit, 6034. 17s. 6d.—45827. 6s. 11d. —Mine cost and merchants bills. March, April, and May, 44601. 18s. 7d.; leaving balances in favour of adventurers, 1894. 11s. 4d. The agents' report stated—"In the just quarter we have put up twelve additional based of stamps, face pitwork for the two engine-shafts, made Stamp Corner shaft complete for more than 35 fms., a new road for ships at Holgato's shaft, and carrying on full hands on tutwork. After this we shall have ground high and dry to work on for the next 18 months. The drop in the price of it in his materially affected us, the average price realised for its sold March, April, and May being 694. per ton, as compared with 76f. the previous quarter. However, we entertain no doubt that Wheal Kitty will ylicid profits, even should prices ruis some pounds below the present rate."

At Calestock Consols meeting, on June 24 (Mr. J. Bayly in the chair), the secounts showed—Balance from last sudit, 2734. 4e. 8d.; call made, March 25, 10151. 18s. 21384. 18s. 3d.—Mine cost, Feb., March, April, 1019, 18s. 11d. 18secont on calls, 18f. 2s. 8d.; leaving balance (consisting of calls, &c., in arrest, 1964. 17s. 5d., each in bank, 146f. 2s. 10d.) of 2511. 1s. 4d. in favour of mine, by the merchants' accounts owing were 2894. 6s. 3d., which would show a balance of 18f. 4s. 11d. against the mine. The statement of assets over liabilities, to next meeting, showed balance in two months more they would communicate with the wines already such 10 fms., and should the ore continue, as in the winas, they would return 100 tonsof high produces of your month. A call of 5s. per share w

large and profitable returns. The ore already raises, and sold from the Cood Maw Pool ground has produced 3500. It is the finest is Carnarvosahire for pottery purposes. at Trefrew Quay.

At the Boiling Well Mining Company meeting, on June 25 (Mr. R. Hallett in the chair), the accounts showed a balance against the adventurers of 24.0a, 9d. It was estimated that the working profit for the ensuing three months would be upwards of 6004. A regivation was passed subdividing the mine into 5000 shares in lieu of 1000. Messrs. Fallett, Boyle, Jones, and Austen, were re-elected the committee of with a vote of thanks to the Chairman.

At Silver, Brook Mine meeting, on June 27 (Mr. T. Nicholls in the chair), the accounts showed—Shares sold, premiums, discounts, interest, &c., 13, 4621.15s. 8d.; unraid, 811.5s. 1d.; one shares sold, premiums, discounts, interest, &c., 13, 4621.1s. 8d.; ore sold, \$3633. 3s. 11d.; costs and sundries unpaid. 2561.14s. 11d.; merchants' bills. 1500.; preliminary exponses, 014. 15s. 3d.; labour cost and merchants' bills, 1500.; preliminary exponses, 014. 15s. 3d.; labour cost and merchants' bills, 600.; preliminary exponses, 014. 15s. 3d.; labour cost and merchants' bills, 600.; preliminary exponses, 014. 15s. 3d.; labour cost and merchants' bills, 1500.; 10s. 11d.; and 11d.; 6001. 15s. 3d.; labour cost and merchants' bills, 600.; preliminary exponses, 014. 15s. 3d.; labour cost and merchants' bills, 600.; preliminary exponses, o14. 15s. 3d.; labour cost and merchants' bills, 1500.; 10s. 11d.; and 11d.; 10s. 11d.; engine and machinery, 10644. 13s. 4d.; mine dues, 3854. 12s. 8d.; 11804. 10s. 11804

tience were alone required to ensure success. A vote of thanks to the Chairman terminated the proceedings.

At the Rhymne'y Iron Company meeting, on Wednesday, a dividend for the half-year was declared of 30s, per share on the 50f, shares, and 9s, on the 15f, easiers, free was declared of 30s, per share on the 50f, shares, and 9s, on the 15f, erese of 50 per cent. upon the one declared at the previous half-yearly meeting. The crease of 50 per cent. upon the one declared at the previous half-yearly meeting. The which is confirmed by our Monnaouthshire correspondent, in another column.

The West Crinnis and Regent Mines are expected to be drained to the 40 fm. level in about three weeks; the operations continue to progress very satisfactorily. In last week's report, it was stated that the tribute pitches were being set at prices varying from 1s, 3d, to 2s, 3d, in 1f.; whereas it should have been ½ to ½ in 1f.

At Carvath United Mines, the lode in the 40 fm. level, going west, is reported to have still further improved, and is about 3 ft. wide.

Some fine specimens of lead ore have been received from the Boiling Well Mine, and may be inspected at the offices of Mr. Edward King, the secretary of the company, Austinfriars. They are well worthy of a visit, either by the scientific or those interested in the success of this adventure.

Captain M. Edwards, of Trehane and Kelly Bray Mines, has been appointed the managing agent at North Wheal Wesy Consols.

At the Wildberg Great Consolidated Mining Company meeting, on Monday (Mr. Robert Carter in the obsir), a resolution was agreed to for raising 10,000 by the issue of debentures bearing 10 per cent. interest, with the coption of converting them into preference shares within two years. The proceedings, which are detailed in another column, terminated with a vote of thanks to the Chairman.

At the North British Australasian Company meeting, on Monday (Mr. P. D. Hadow in the chair), the report of the committee of investigation was adopted, the report and accounts of the di

The Alten Mining Association have advices, dated May 30 to June 13:—
Rairas.—The bottom working being now filled with water, our operations are consumed to the shallow parts of the mine, where we are exploring sundry small veins, which, although small, are yielding remunerative returns. We are also clearing the ice from part of the south-west workings, and hope to open out some profitable ground in this part of the mine.

OLD Mins.—The lode is again improved in sink No. 1, being more free from quarts than when last reported; it now yields on an average 5 tons of ore per fm., and is apparently becoming larger as we go down; at present we are both sinking and stoping the sides, and are about 10% fms., diagonally, under the level of the transpost of one, but until further laid open we cannot say whether it is the lode or not. The tribute pitches are rather poor, and we fear the returns will be less than for some time past; but every endeavour is being made to lay open new ground, and we hope soon to see more favourable results.

Michael's.—Most of the tributers have been required to unload the coal yessels for

MICHELY.— Most of the tributers have been required to unload the coal vessels for the last fortnight, so that scarcely anything has been done in their pitches since our last. During the last week the back of a lode has been laid open for about 12 ms. in length, some 120 to 130 fms. to the north-east of the old mine; it is from 6 to 12 in. wide, composed of gossan and fine stones of yellow coppor ore. We consider the pre-sent indications to be very favourable, and shall, therefore, render the tributers every assistance in laying it open, &c., hoping in our next to have further improvements to report on. — Estimated produce for May:—

Mines, Raipas Old Mine Michell's	Ore. 38 82 14		sent. 814 5	Copper. 3.23 4.10 0.84
	**	**********	0	0.01
Total	134			8-17

available mericos work will compel us to expend as goon as the more partially melia, it was not laboures a someth to extry on both. The stope to the wateward of the carned of the state of the carned of

In Foreign Mines, the market has been dull throughout the week, and 8t. John del Rey have fell since our last quotation from 3l. to 4l.; the shares changed hands yesterday at 1ll. Cobre Copper were better, business being done at 52. The other quotations will be found in the usual column.

For American securities, the market, although still dull, has shown symp-toms of revival. There has been more enquiry for the various State stocks, which is the voled to purchases for investment. In railroad bonds there have been but very few actual transactions.

The actual transactions.

Our Hull correspondents (Mesars, T. W. Flint and Co.) report that the market continues very flat, notwithstanding the improved condition of the Bank of England. We are rather inclined to think that a transference of money has been going on lately from one class of the community to another, who do not make quite such active use of it, which may account for railway and other scentrities remaining flat, although the nominal rate of interest is lower. All guaranteed stocks command

Our Sheffield correspondents (Messrs. E. Smith and Son) do not report muon alteration in prices. Business in mining shares very dull. Brightside shares rother flatter, at 4½ to 4½; Chapel Dale last done at ½ prem., and now ½ to ½ prem.; Crafnant firm, at 1½ to 2½; Eyam shares rather flatter in the absence of business, and are offered at 59; Prince of Wales shares firm, at former quotations.

Messrs. Phillips and Darlington are preparing for publication an illustrated description of the Lisburne Buddle, as well as drawings and descriptions of other new dressing apparatus.

The Fatworks and Wheal Virtue Mining Company is to be wound-up, a petition to that effect having been presented to the Court of Chancery, which is expected to be heard on Saturday next.

expected to be heard on Saturday next.

The Cwmdyle Rock and Green Lake Mining Company have announced the sale of the machinery, plant, and materials, by order of the Court of Chancery.

By the new Russian tariff, iron in bars, rails, or cases, the importation of which was prohibited, is admitted on payment of a duty of 2f, per poud, or 2f. 80c. if in bars of less than half on inch thickness; iron boilers, at 3f, 50o.; c ast-iron, at 50c.; the duty on block zinc is reduced from 4f, 80c. to 2f, 40c.; sheet zinc reduced from 7f, 20c. to 3f, 50o.; green vitriol reduced to 1f, 40c.; sulpharic acid reduced from 6f, 40c. to 4f.; and dyswoods from 5fc. to 48c.

These changes are calculated to give great satisfaction to the commercial world.

At the London Book Company half-yearly meeting, yesterday (Mr. J. Cattley in the chair), the report stated the carning of the six month ending May 31 to have been 249,9812, against 280,2824, for the corresponding period of 1856, while the expenditure was 166,785%, against 186,5771. The amount standing to credit of profit and loss was 235,6611, out of which a dividend of 3½ per cant. was recommended, leaving a balance of 180,8912. It was mentioned that Mr. J. D. Powlea, the secretary, has resigned on account of ill beath.

At the Eastern Steam-ship Company half-yearly meeting, on Tuesday, (Mr. H. T. Hope in the chair), it was single that their great vessel would cost about 680,0001, or about 34, per tost, builders' single surrement, including interest at 4 per cest, builders' single surrement, including interest at 4 per cest. on the capital. The directors were compowers, do by the meeting to borrow 100,0004, outpon debentures, which, with calls at present in arr. arr, would be eafficient to complete the ship, and provide about 31,0004, working capital. The ship would be ready to launch in Septomber, and it was fully expected that the trial trip to Portland, Maine, would be made in April next.

It is understood that an amalgamation beween the Royal West India Mail Company and the European and Australian Royal Mail Company has been exceed upon, subject to the approval of the shareholders.

It has been determined, by vote of the members, that the London Indisputable Life Policy Company shall be amalgamated with the Bank of London and National Provincial Assurance Association.

disputable Life Policy Company shall be amalgamated with the Bank of London and National Provincial Assurance Association.

DEPARTMENT OF SCIENCE AND ART.—Dr. Lyon Playfair has just issued his fourth report on the Department of Science and Art to the Lords of the Committee of Privy Council'on Education. It appears that a considerable increase in the number of visitors has been noticed in nearly all the nuscums and libraries in connection with the department. The total number last year was 366,333, being an increase of 35,362 persons over returns for 1855. The Souiages collection was visited by 48,000 persons and upwards. The geological surveys in Great Britain and Ireland continue to be carried on as rapidly as circumstances will permit. The schools of art were attended last year by 12,337 persons, and they taught drawing to 22,746 children in elementary schools. A more rigorous system of examication and inspection has been introduced with beneficial results. The separate schools of science and public lectures in connection therewith have been attended by 11,651 persons. Examinations have been instituted in connection with the public lectures, and much forceased their efficiacey, separate instruction in science is not given in elementary schools through the agency of the provincial scientific schools, but classes for the instruction of schoolmasters have been opened, and apparatus for scientific illustrations extensively furnished at a reduced cost to qualified teachers. A gallery is now in course of eraption for the reception of the Sheephanns collection, and will shortly be completed. A new museum of educational appliances has been organised, and is open to the public.

University College.—The following prizes were awarded at the annual distribution on Wednesday:—Civil Engineering.—Pirst division: prize, Joseph Fogerty; certificate, John Austic (eq.) Laurie Magnus and Edward Asher. Second division: prize, Joseph Pogerty; certificate, Leopold Bauer.—Geology (Prof. Morris).—11 prize, Wednesday in Carificate, Le

					ORES.
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Vivi	an and Sons		******		
Vivi	an and Sons		******		700s. Amount. 219

Preeman and Co.
Grenfell and Sons
Crown Copper Company
Sims, Willyams, Nevill, and Co.
Williams, Poster, and Co.
Spitty Copper Company
Mason and Elkington
Copper Miners' Company
Copper Miners' Company
Copper Miners' Company 664 1 6 3261 12 6 191 9 3 1068 13 0 2870 4 9 1882 1 6 2105 11 0 1117 18 0 493 4 6 £16.807 5 6 Copper ores for sals on Thursday next, at Tabb's Hotel, Redruth.—Mines and Parcels.—Wheal Buller 556—West Basset 532—Alfred Consols 315—North Basset 313—Par Consols 312—Carn Brea 283—Great South Tolgus 203—West Alfred Consols 200—Bolling Well 184—Levant 167—Wheal Margery 123—Tolyadden 113—Botallack 102—Wheal Anna 101—West Fowey Consols 100—Rosewarne 96—South Crenver 90—Halamanning 68—Carrack Dews 63—Clijah and Wentworth 61—Wh. Unity Consols 56—North Frances 35—Fenberthy Crofts 27—Wheal Agar 13—Gook's Kitchen 11—South Dolconth 10—Treleigh Consols 8—West Treasury 5—Wheal Squire 2=4199 tons. NO SALE on Thursday week. 18th July. 2860

NO SALE on Thursday week, 16th July.

PARTICULARS OF COPPER ORES SOLD IN CORNWALL IN THE QUARTER
Copper ores, 50,072 tons (21 ewts.)—Fine copper, 3185 tons 7 cwts.—Amount of
money, 311,8474. 2s. 6d.—Average produce, 64.—Average standard, 1414. 15s. 0d.
—Average price (per 21 cwts.), (7. 2s. 6d.

Copper ores for sale at Swansea, July 7.—Cobre 111, 107, 106, 97, 54, 52, 49, 36, 85, 81, 72, 51, 50, 48, 10, 106—Berehaven 128, 124, 123, 107—Springbok 45, 44, 42, 40, 31, 2—Wheal Maria 14, 4—Namaqualand 3—Burra Burra 54, 41, 22, 14, 11, 2—Knockmahon 55, 55—Seville 57, 15, 5.—Total, 2202 tons.

THE PROGRESS OF MINING IN 1856. is, P.G.S., Author of the Compondium of British Mining (published in 1848), Gleanings among Mines and Miners, &c.

REPLANUAL REVIEW Of MINIMO PRODUCES appeared in a Suppla ser to the Minimo Journal of Jan. 8, 1857.

A FEW COPIES of the REVIEW OF 1835, containing Statistics of the Metal rade, the Dividends and Per centage Paid by British and Foreign Mining Compaises, and the State and Frospects of upwards of 200 Mines. Aso, a FEW COPIES If the REVIEW OF 1832, 1833, and 1854, MAY BE HAD on application at Messrewares and Country Mining Offices, 1, 64. Miscael's-alley, Cornbill, London.

Also, STATISTICS OF THE MINING INTEREST. By W. H. Cuell.

ATSON AND CUELL'S MINING CIRCULAR, published every Thursday morning, price 6d., or £1 is, per annum, contains pecial Reports of Mines, and the Latest Intelligence from the Mining Districts, from a exclusive resident agent; also, Special Recommendations and Advice upon all adjects connected with Mining, and interesting to investors and speculators. A tecord of Daily Transactions in the Share Market, Metal Sales, and General Share Asta, &c. Edited by J. Y. Warson, F.G.S., and published by Warson and Cuell, 5t. Michael's-alley, Cornbill.

N.B. Looking at the causes for the present depression in mining shares, Messra. Which are made a selection of a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished on application.

INVESTMENT SIN BRITISH MINES.—
Mr. MURCHISON'S REVIEW OF BRITISH MINING for the QUARTER ENDING 31st March, 1857, with Particulars of the Position and Prospects of the principal Dividend and Progressive Mines, Tables of the Dividends paid in the past Quarter, and in the Years 1835 and 1836, and a MAP of the ALFRED and ROSE-WARNE MINING DISTRICTS, &c., is now Ready, price is., is AWN. Muschison's efficient information and advice will at any time be given on application.
Also, COPIES of "BRITISH MINES CONSIDERED AS AN INVESTMENT." BJ. J. H. MURCHISON'S Electromatic Column.

CORNISH AND DEVON MINING ENTERPRISE,
By R. TERDINNICK, Mining Sharebroker, Gresham House,
Old Broad-street, London.
Facts and Statistics recorded, Symopsis of Dividend Mines, Plan of the Buller and
Baset District, a Clear and Succinct Description of the chief Mines. All interested
in such investments should possess a copy. Price 5s. bound.

T. IVES, LELANT, AND TOWEDNACK MINING DISTRICT.

—Mr. TREWEEKE begs to inform his friends and the public generally that
his MAP of the above DISTRICT. and a STATISTICAL ACCOUNT thereof for the
past 30 years, is NOW BEADY, and will immediately be sent to any party who may
require a copy, on the receipt of 14 postage stamps.

Dated Uny Lelant, Hayle, April 0, 1857.

LETTER TO THE RIGHT HON. SIR G. C. LEWIS, BART. Chancellor of the Exchequer.

ON THE BANK OF ENGLAND AND THE CURRENCY.

London: Edward Stanford, Charing-cross. Lavers, Bristol; and by all booksellers.

Just published.

OPTON'S PLANS FOR VENTILATION OF COLLIERIES; showing separated Winds, that will Prevent all Serious Explosions in Coal epresented. Price 3s.

May be had at the Mining Agents. ted. Price 3s. May be had at the *Kining Journal* office, 26, Fleet-street, London. se of Mr. Hopton's invention appeared in the *Mining Journal* of 20th June.

NEW WORK BY COLONEL G. GREENWOOD.

Just published, in 8vo., with Map, price 7s. 6d. cloth.

AND RIVERS; or, Hutton and Playfair against Lyell

and all comers. By Colonel Greenweed.

London: Longman, Brown, and Co.

Batices ta Carrespondents.

• Much inconvenience having arisen, in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

Range."—I cannot exactly fall in with Mr. Henwood's views, when he states that "these 'ramps' are not lodes." The word "ramp' I consider a technical term for all hard hars of ground in soft lodes, whethey quartay or capel-like rock. I have seen lead, copper, and tin lodes, whethey quartay or capel-like rock. I have seen lead, copper, and tin lodes, where at places all the lode has been termed "ramps," at other places, one part of the lode has been "ramps," and the other soft and productive; and even at other places, spain, "ramps" and soft intermixed—this is termed "ramps," I therefore consider "ramps" to form a portion of a lode, as much so as any softer material. I think, too, it is a very rare occurrence for tributers to sink shafts. I perfectly agree with Mr. Henwood in his remarks on captains being oftentimes censured when "ramps" are met with, to retard progrees, by ignorant, officious, and busybody committees. Those committees to whom these remarks do apply will do well to be more moderate and generous in their vile censure of the poor mine captain, when his judgment is thus considered at fault, and not think their knowledge so eminent in mining, which very few know but little, if anything, about practically.—Mines: Buck/asticiph, June 30.

Mixon Gazat Consols.—In your valuable Journal, about 10 weeks since, I read a

If anything, about practically,—Mives: Buck/asticiph, June 30.

MIRON GRART CONSOLS.—In your valuable Journal, about 10 weeks since, I read a letter signed "Subscriber," complaining of the want of information of the proceedings at the meetings of this company, as also stating the enormous sum which has been expended from the frequent and heavy calls on the shareholders, and of which they have not seen any account. About a month since there was another letter in the Journal, referring to the same subject, and as neither have elicited a reply, I beg to reiterate the enquiry, Why are the shareholders kept in such total ignorance of the proceedings at the meetings and prospects of that mine? I trust it may not prove a second Politimore, which ought to be a signal warning to all shareholders to look to their own interests ere it is too late.—A SHAREHOLDER.

shareholders to look to their own interests ere it is too late.—A SHAREHOLDER.

WELL GURKES MINING COMPANY.—Although in the case of Sibiey e. Minton the Vice-Chancellor has restrained a creditor from further par-uing his sction, the general idea is that his Honour had the impression that collusion had existed between the company and Mindsil, which was to a certain extentsubstantiated by the latter, when he said that Sibiey had advised him to go against another shareholder in a former suit. I will make no comments here upon what the Vice-Chancellor must have thought of mining proceedings and the fairness attached to them, when a debtor requested a creditor to fix another person with the liabilities. Be this as it may, the question of calls etil remains open, and this, I am told, can easily be tried in the Stannaries Court, which has jurisdiction in such cases. Should any bills or cheques have been given for the purpose of paying calls, and these not daily honoured, the remedy would, without doubt, lay by an action at comm. In law. This case has excited some notice among the mining community, and it would estile a point, and make a precedent of great interest, if the case were specifily brought to an issue,—
T. M.: Corfe Castle, July 2.

ANGLO-AUSTALLIAN GOLD MYNING COMPANY.—About two months ago, a notice ap-

make a precedent of great interest, if the case were speedily brought to an issue,—
T. M.: Corfe Castle, July 2.

Anglo-Australian Gold Mining Company.—About two months ago, a notice appeared in your Journal, stating that an engine had been sent out to Australia, and that, as soon as that arrived, the workings would be proceeded with. Since that period, no further information has come to hand, and I am at a loss to know what steps are to be taken. The deed of settlement provided, I believe, that we should have a meeting yearly. One of the directors, I was given to understand, was a solicitor of considerable eminence, and proprietor of landed property and several houses: a dinner was given near his seat previous to the departure of the expedition, which is over four years ago. We have heard nothing from them, and we are equally in the dark as to the proceedings of Mr. Jonathan Falder, one of the directors, who has now been absent nearly two years. A fatality appears to attach itself to all the movements of those sent out to the works, which many now begin to doubt have any existence save upon paper. This secration—that, with the exception of the meagre details which from time to time are published in your Journal, nothing has ever been elicited of the proceedings of this company. If there are any liabilities to be discharged, we should at once be informed of them; and should there be any surplus, let that be returned to the proprietors, who have exercised such exemplary patience. One of the directors, Mr. Charles Hinks, resides in Birmingham, and probably he will be able to afford some information as to what he and his collegues intend doing.—Z. T.: Greenishthe, July 2.

West Manifora.—At the time of the gold mining manis I, like many of my neighbours.

and his collesques intend doing.—Z. Y.: Greenhiths, July 2.

WEST MANIFONA.—At the time of the gold mining manis I, like many of my neighbours, was simple enough to invest a little capital in this and other speculations of a similar nature: the result you can very well imagine. For a considerable period, long after the other shortions were consigned to oblivion, this still retained a place in the Stock Exchange List. Within the last few weeks, I perceive that it no longer stands there. In all the other companies with which I have been commented—the Carson's Creek, Agus Fria, Anglo-Californian, &c.—there has been some attempt made at a winding-up: we have known there that all was at an end, and some accounts have been rendered as to how the expenditure has been incurred. The directors of the West Mariposa obtained a considerable sum of money from the public. As yet no meetings have been called, nor any accounts rendered. Justice to the shareholders, and a due regard to their own character for honesty and integrity of purpose, should induce them to come forward and give some account of their stewardship. It is too bad to lose one's money, and not to know who has had the benefit of it. The past experience the public has had in gold mining in Australia, California, and especially in England, should lead them to be cautious of all projects connected with that precious but delusive metal.—G.: Brighton, July & Ezz Marquita and New Grandan Missine Contaxy.—The valuable paper sent

Australia, California, and especially in England, should lead them to be cautious of all projects connected with that precious but delinate metal.—G. Brighton, July 3.

The Marquita 'and New Garanda Mining Company.—The valuable paper sent by me, and written by a gentleman long resident in New Granada, having appeared in your Journal of June 20, with reference to the "Geological Position and Formation of the Aurilerous Quartz of the Parima Hill,"—a property which, as I then remarked, had been saddied upon the Marquita and New Granada shareholders by a certain directorial clique, at or for the price of 40,000/., when its intrinsic and commercial value was about as many shillings. I propose, next week, to forward to you, from the same able pen some equality valuable observations, with reference to our Santa Ana Mines. These mines, however, I am happy to tell my fellowshareholdere, are epoken of in a very different tone by my correspondent, "veritae." He considers the Santa Ana Mines as a very valuable property, and his opinions, both as regards these and the Furima Mines, are similar to those long known to have been entertained by Mr. Evan Hopkins, who himself was also a resident in New Granada for many years, and whose sequirements both as a practical mines and a scientific geologist are too well known to require any sulogy from me. I may add that the promised communications respecting the Santa Ana Mines are extracted from a series of papers I have received from "verticas," Leaded, "Observations on the Management and Metamorphoels of the Columbian Mining Association, established in 1844." These I shall probably give to your readers some day in szigneo. He gives a fine show up of certain of "Lea Manieurs d'Argent" of that period.—Cwars, Ricanadous: 15, Charles-street, St. James's, June 30.

Minmate River of Way.—A. B. (a colliery proprietor), to join a public railway, lays valie and elospers across a township road, and his wagons requestly obstract the five passage of earth which furnished the side of the township road, and also destroyed a public focupath. He has not any gates across his railway at the above point, to prevent cattle, dw., straying on the same, or to protect the public from the wagons, which are shunted by a locomotive from the public railway on to his railway. Has he acid dilegally in any, and which, of the above? What course of proceedings should be adopted against him 1—the readiest and cheapest would be preferred. And can any one of the raic-payers (or the public legally remove the rails and elespers from across the township road 1—thought and the preferred. And can any one of the read-pays (or the public) legally remove the rails and elespers from across the township road 1—thought and of a serious tilegality, of a profund the railway at the public of any private present integration of the road, and evil proceedings at the suit of any private person injured in his use of the road by the railway. There are many waysfor redress open to a person grieved by the acts of A. B., and one is to bring an acide for the recovery of damay remove so much of the railway as obstructs his passage, and this is the readies and cheapest mode; or the party may is format any justice that the road is out of repair and obstructed, and he will dead with the case as one of non-repair. Our railway as obstructs his was one of the road private proper, a. B. should be indicated for the injury done to the road by him. Nothing can be clearer than the illegality of A. B., and not is not of repair; and also, if thought proper, A. B. should be indicated for the injury done to the road by him. Nothing can be repair and only a five party of the party of the contract of t

duce to be from 40,900. to 3,000. per annum.—S. EDDY: Grassington Mines, Skipton, July 2.

Cordillera Company.—Perhaps some of your readers can inform me how this company stands. I believe that, some months since, an application was made to the Court of Chancery to wind-up the concern, but it was opposed on the ground that an agent was dispatched to Australia with great prospects of success. Since then, no meeting has been called, nor have any steps been taken by the directors even to inform the company how their money has been disposed of. It has been asserted that a large amount of the capital has been appropriated to other than the purposes of the company. If such be the case, surely a meeting should be called, and proceedings taken at once to obtain a knowledge of its affairs, and, if necessary, expeate the malpractices of the delinquents. If the law is really insufficient to take comizance of it as an offence, or to afford redress to the shareholders, the expert will at least operate as a preventive against the appearance of the offenders in any other scheme for extracting gold from innocent contributors. A small contribution per share will no doubt be readily given to raise a fund to bring the matter fairly before the public, if properly taken up.—R. J. D.: Pools, June 2 lb.

Carron-mova Minimo Company.—In reply to "Forensic," I be contributed that the miles is still working. A report from the committee of management will be published in a few weeks, detailing its present aspect and future prospects.—Paramyter: Islington, July 4.

Manufacture or Street.—The last that I have seen published with reference to

MANUFACTURE Islington, July 4.

MANUFACTURE OF STEEL.—The last that I have seen published with reference to Uchatius's patent was the statement that the Ebbw Vale Company were building a number of furnaces to carry out the invention upon a large scale. I have since heard that the process has been found to answer excellently when coke iron is used, but that the quality of the steel is a little inferior to that produced from charcoal iron. This, of course, is only what all would anticipate, and therefore I consider that the conversion of iron into steel by one meiting is now proved to be capable of application in a practical manner. The novelty and simplicity of the invention is calculated to induce its general adoption; and, strange to say, there has been no claimant to priority in England, in opposition to Uchatius, possibly owing to the attempt of Talabot and Sitriing, of Paris, having failed to prove that their patent was infringed. The melting of cast or wrought-iron with oxides is old, and no one living can possees a patent for that, unless there be some peculiar novelty in the medius operands, but the invention of a mode of manufacturing steel from iron by one melting was never even proposed until after Capt. Uchatius obtained his patent.

J. H.: Westminster, June 29.

Lattway Brakes.—There have frompantly here.

modus operands, but the invention of a mode of manufacturing steel from iron by one melting was never even proposed until after Capt. Uchatius obtained his patent.

—J. H.: Westimister, June 29.

Bailway Brakes.—There have frequently been propositions made for stopping railway trains, but not one appears to have received anything like general adoption. This probably arises from those who have proposed to apply the brakes simultaneously to all the carriages failing to give the gard aufficient control over them. It is true that he has, in some inventions, ample power to apply the brake, but I know of none which offers equal facilities for taking it toff. If there is such a contrivance, not complicated by the use of springs, I think it would, if known, be generally adopted. I believe that, until some better arrangement be introduced, a system somewhat similar to that used for making the semaphore self-acting would be advantageous. The skid could be placed on one end of a lever, so that, by the fall of a weight placed at the other end, it would act upon the periphery of the wheel, and thus arrest the progress of the train. The weight could be would up by the guard, and supported by a spring connected with an electro-magnet, so that, when required, it could be released by electricity, and the weight might, in falling, cause the lever to engage in a catch, so as to ensure the necessary pressure upon the wheel.—J. S.: City, June 30.

SCOTH GARLAS MINK.—London managements are often complained of; it is stated that they have no local knowledge, and consequently can only trust to the reports of the agents upon the spot. I am aware that if a proper supervision be not exercised, mistakes, mismanagement, and neglect will occur; but I can aver, from experience, that there are several mines as equality well mismanged among ourselves as any that London adventurers lay their hands on; and when we do have the chance, without any outer interference, we contrive to make as pretty a hotch-potch of a "ba!" as ever a man would like t

noncers, who have entrusted them with their money in the belief they were legitimately and economically working the mine.—B. Lt.: Turny, July 1.

HIGH SPEED ON RAILWATS.—Some time since, M. Jobard, and some other progressive gentlemen, proposed to attain a speed of 300 miles an hour upon railways, constructed with rails an immense distance apart, and of enormour size, but I do not hear anything of their scheme being carried out. I have carefully considered the subject, and have come to the conclusion that the required speed is not only attainable, but that there would be little difficulty attending the consummation of the project. I have, however, my doubts as to its practicability upon short lines, as I do not understand how the train could be conveniently etopped, unless the steam were shut off (say) 100 miles before arriving at the station when the road is level, as to apply a brake at that speed would be certain destruction. The stations must, therefore, be at least 600 miles apart, or there would not be much saving of time. But perhaps the difficulty might be overcome by having the small ordinary lines of rails between Jobard's monsters, and then the quick trains could run between the termini, passing over the slow—50 miles an hour—ones, which could easily run beneath their aries. The large rails could be tunnelled under, so as to allow the passengers by the slow trains to leave the stations. If this arrangement could be easily carried out, it would undoubtedly be a desideratum. If M. Jobard could make the proposition apply to sea travelling, the importance would be even greater, as we might then go from London to Melbourne in the space of a day and a half.—D. H.: "Gissen, June 16.

The Astructar Ministo Coupant.—A shareholder complains that, on applying to the

as we might tach go from London to actiourne in the space of a day and a half.—
D. H.: Gissen, June 16.

THE ASTURIAN MINING COMPANY.—A shareholder complains that, on applying to the liquidator, he could obtain no cash for his old shares. This is entirely his own fault. I remember, at the time of the transfer being made to Senor de Grimaidi, that our indefatigable agent, Mr. William Campbell Gillan, plainly told all the old shareholders they would be barred from participating in the beneficial arrangement he was about to make, unless they forthwith exchanged their old serip. If the trustees have been plaid, they certainly carned their money, as without them the bargain, bad as it was, could not have been effected. Many of the shareholders have displayed great apathy, and shown a general disregard to their own interests, and it is too bad that they who would not stand by the directors in the hour of pertil should now, when there is something to be obtained, urge claims which they long since have tacitly relinquished. Anyone familiar with the phaces of this company must be perfectly aware of the misfortunes it has gone through, and the difficult and arduous tasks that Mr. Gillian at various times has undertaken, sometimes at the request of the proprietary, and at others of the directors. Had "J. S." performed his duty as a shareholder, he would now have been able to claim his quota: neglecting that, he cannot be surprised that there is more for those who sid not desert their flag.—Justitia: Lincoln's Ing., July 1.

Missas Revino Bill.—Your reporter has not given his report of my'evidence before the Committee on this bill very correctly, and has contrived to make a plain stander. The Committee on this bill very correctly, and has contrived to make a plain stander. In the contrived of the committee that the relation of the committee that the same ratio—say, as if to 22—would there then be any reasonable cause in the same ratio—say, as if to 22—would there then be any reasonable cause in the same ratio—say, as if to 23—would there then be any reasonable cause in the same ratio—say, as if to 23—would there then be any reasonable cause in the same ratio—say, as if to 23—would there then be any reasonable cause in the same ratio—say, as if to 23—would there then be any reasonable cause in the same ratio—say, as if to 23—would there then be any reasonable cause our mow before me a return from two relist districts—one entirely agricultura, and the other obledy mining; and although the population of the mining district exceeds the other by upwards of 2000 couls, the amount of relief is not half of great, and the number of recipients barely half; and these two districts are a fair comparison of the whole of this neighbourhood. As the commercial and manufacturing wealth and importance of this country are mainly attributable to our great mineral resources, I think it unwise to burdee our mines with an impose which they have been so long exempt from; and I do think, if coal had been used for smelling from ore in the blast furnace, and in generating steam, in the time of "Good Queen Bess," when our present poor-rate bill was enacted, this mineral would not have been included in things rateable, but would have also been exempt, and thus have removed the existing anomaly.—Thouas Roya. **Neclain**

—JORDE JOURN: Bolton-is-Moors, June 29.

Licewa.—Silicium is a perfect metal, similar to piatinum, silver, &c., with fine atoms, fit for musical purposes, duettie, and malleable. The oxide of silicium is a glass, and occurs in aand, stone, and other earths, and, when combined with other metals, resists saids. This was see in the case of slate, fing. stone, &c., the slate being composed principally of aluminium and silicium.—J. Jonns: July 29.

composed principally of aluminium and silicium.—J. Jones: Juny 22.

commonout Consola.—If "A Subscriber" had carefully read the parsgraph in our Journal which he quotes, he could not have asked the question he does; and by applying at the office he would get any information he wants. The materials were rold, by public auction, by the company for 1025t, and the subsequent sales in deciding to do with the company. We understand that the delay in closing the affilies has grincipally arisen from the difficulty of getting in some arrears of call.

the affairs has principally arisen from the difficulty of getting in some arrears of call.

Covyaza Monde Minine Company.—May I enquire, through your Journal. whether
this company has met with any mishap since the meeting took place in Paris. At
the office, they give the following information:—The accounts from the Alotspeque
Mines are good; more money is required to continue the works; the superintendent,
Mr. Bray, has left the company, and has come home for the benefit of his health; the gerant will find the money wanted, and new preference shares will be officed
to the holders of the original shares; the gerant has gone to Corsica, but he is expected home soon, and then we shall know all about it. In these times, we are apt
to doubt everybody and everything, and it may be that these good reports from the
mines are as little likely to be verified by facts as those we were favoured withfrom
Mr. Clement. To satisfy the public, and secure the confidence of the shareholders,
the manager should publish in your Journal a report of the meeting in Faris, and
then call the shareholders together, not as a formal legal meeting of the company,
but for a friendly conversation, to know their opinions under circumstances.—
T. S.: June 27.

SIMP. REPLEMEN.—Our correspondent, Mr. John Clare, jun., of Liverpool, has
SIMP. REPLEMEN.—Our correspondent, Mr. John Clare, jun., of Liverpool,

but for a friendly conversation, to know their opinions under circumstance.—
T. S.: June 27.

18.008 SHIP-BUILDING.—Our correspondent, Mr. John Clare, jun., of Liverpool, has sgain drawn our attention to the superiority of the American-built vessels to those constructed in this country, but states that we have all the material here, and, if his views were adopted, vessels could be built which could not be surpassed. In his opinion, the Niegara, which has lately arrived from the United States, is a model of naval architecture, and the nearest approach to any that he has seen for searging and salling qualities. His opinion is that the management of our dockyards is faulty, and that large amounts have been lavished, which could have been saved had proper supervision been exercised, and competent persons appointed.

VILCAMBED INDIA RUBBER.—"Valoan" may protect his patent for six months at a cost of about 71, if done sheaply, by alling his potition, declaration, and provisional specification, in the Patent Office. Care should be taken to describe the invention properly. The assistance of a patent agent is not absolutely macessary, though desirable. No doubt valcanised India rubber could be obtained in any quantity—if not at once, certainly as soon as the demand for it became knows.

18. T. P. "Hope Valley" is too personal for publication.

potent agent, of 136, Strand, will furnish any further information.

18. T. P. "(Hope Valley) is too personal for publication.

Obl. Ministry Courant, "—"4 Shareholder" writes, in answer to the communications that have lately appeared in the Ministry Journal regarding this company, that the shareholders in general have every confidence in the property. The delay has arisen from various causes, but the mine is now likely to go ahead. There are no ores being raised, nor can there be until the engine is ready. The boiler is fixed, the chimney is erected, and every exertion is now being made to start the engine, and there is no doubt but that, before this month is out, ores will be again raised. The mine has been in abeyance far too long aiready. He recommends the engine should be hurried on, and as many hands profitably employed as can be, to bring the creek or grass. All information can be obtained at the offices of the Company, Cannon-house, Queen-street. In the course of next week it is the intention of the secretary to visit the mines, and to expedite the getting up of the engine, so that the work may be commenced in earnest.

Unscribers in America.—Our friends in America are informed that they can obtain the Mining Journal by ordering it from a bookseller in any of the principal towns in the United States. Mr. Trübner, of Paternoster-row, is the London agent, and sends parcels by every mail to the principal booksellers and news agents there.

THE MINING JOURNAL Railway and Commerrial Gagette.

LONDON, JULY 4, 1857.

At the commencement of the year we mentioned, when alluding to the Government returns of the exports and imports from and into this country, that there was every indication that the shipments during the cur-rent year, of articles the produce and manufacture of the United Kingdom would exceed those of 1856 by about 20,000,000% in value, although the exports of 1856 were an increase over those of 1855 to the same amount; that, in fact, thedeclared worth of goods sent forth from this country during 1857 would be 40,000,000% in excess of 1855. As we proceed month by month our anticipations are shown to be well founded; while it is possible that even this enormous increase calculated upon in the business of the shipping trade will be under the aggregate returns. The statement

the shipping trade will be under the aggregate returns. The statement mow issued by the Board of Trade is to May 31, and, consequently, for the first five months of the year. The total declared value of the exports during this period is 50,195,541L, against 43,307,329L for the same months in 1856, and 34,943,727L in 1855, showing, consequently, an increase of 6,888,212L as compared with the former date, and 15,251,814L as respects the latter. The present returns, therefore, give an advance over 1855 at the rate of nearly 37,000,000L for the year, and as the present and coming summer months are expected to show a much greater average, there is the best ground for believing that the total will be over the 40,000,000L contemplated some time back.

The number of vessels occupied in the conveyance of this amount of goods during the five months of this year was 16,543, representing an aggregate tonage of 4,044,832, of which 2380 vessels of 949,010 collective tonage of 3,095,822 to foreign countries. Of those to the Britiah possessions, 541 vessels of 225,499 tonnage went forward to various parts of North America, 334 of 227,044 tonnage to the East Indies, 243 of 195,133 tonnage to Australia, and 1262 of 361,334 tonnage to "all other parts." Of the foreign list, we find that 3891 vessels of 548,732 tonnage went to France, 1709 vessels of 318,649 tonnage to German States, 1250 vessels of 145,569 tonnage to Denmark. To the United States the number of vessels was only 572, but the collective tonnage was 547,021, just 1000 odd tons less than what was shipped for France, although the number of vessels was only 572, but the collective tonnage was 547,021, just 1000 odd tons less than what was shipped for France, although the number of vessels was only 572, but the collective tonnage was 547,021, just 1000 odd tons less than what was shipped for France, although the number of

France, 1709 vessels of 318,649 tonnage to German States, 1250 vessels of 145,569 tonnage to Denmark. To the United States the number of vessels was only 572, but the collective tonnage was 547,021, just 1000 odd tons less than what was shipped for France, although the number of vessels was about seven times more in the latter case.

The same remarks apply to the other places, and, consequently, the more number of vessels employed would be no criterion of the business going on, but as the Board of Trade gives also the tonnage, a very correct view of the nature of the shipping trade can be determined. Transports with Government stores are not included in these accounts, so that the shipments shown in respect of British possessions are purely commercial. We must now refer to that portion of this enormous trade which is exclusively identified with the mining industry of the nation. Of the total value of the exports of the United Kingdom—namely, 50,195,641. for the five months—nearly one-fourth was represented by metals and metallic manufactures; the balance being 12,195,7667, and showing an excess over the same period of last year of 1,803,3114. The largest augmentations is shown in bar-iron and machinery. Metals of themselves—that is iron, steel, copper, brass, lead, tin—give a total of 8,104,3132, which is an

port foreign the subject, shipments o sticle, can who invest eir encou re turning f mineral of mineral In the proof the decl-ported from the year 18 of this year third of the tralia takes British No Good Hop which wa Having 9,912,575 There we 10.134,8

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increase of 970,004%, but the more detailed items are given in another elemn; machinery represents 1,328,717%, which, as compared with the sums on that year for the same month, is an advance of 449,110%, hardware and outlery 1,556,634%, an increase of 195,954%; and coals and sulm 1,197,102%, or an excess of 188,163%, over 1856. Glass, paints, and other articles which might be included in these calculations, being the residuly free from what many might consider forced figures. Glass alone systemate a value of 267,633%, during the five months of the year; paints, 200,356%, and earthenware and porcelain 635,416, making a total indestrictly legitimate would give an aggregate value of 13,300,171%, and formining the average for the year at 35,920,408% as the result of mining operations in this country.

With such extraordinary figures before them, it is really marvellous to find that persons can decry the importance of home mining, and support foreign enterprises of this nature. It must result from ignorance of its subject, wilful or otherwise, and it is impossible to suppose that the hipments of mineral produce, as the raw material or as the manufactured attele, can go on to this extent without a corresponding benefit to those who invest capital in mines; and this view of the case is taken evidently by the more acute portion of our moneyed interests, who now withhold deir encouragement from foreign schemes for the production of ores, and are turning their attention to the proper or more extended developement of mineral localities in different portions of the United Kingdom.

In the present returns from the Board of Trade an account is furnished of the declared value of British and Irish produce and manufactures expected from this country to each foreign territory or British possession for the year 1856. The total, which we gave in due course in the beginning this year, was 115,326,948%; of this, \$2,262,5,098%, was the value of the suport to store presenting to fooly; Australia kees the second rank, and received good

The best method to advance the interests of a party or a measure is, frequently, by strenuous opposition and persecution; the fairest way to judge of benefits is to compare them with their paradoxes. These premises appear to have been kept in view by several of our correspondents of last week. Not one-half the tomfooleries or Utopian ideas of Robert Owen would have been noticed or perpetrated, had not a little band of over zealous bigots interfered, and by these means brought them into notoriety. Dr. Hook's refuse! to admit Mrs. Trollow's Voice of Wrechill into the public library at Leeds, caused that novel to be read with greater avidity and curosity Lona any work she had previously published. Even now, Mr. Syurczoy derives half his celebrity and astonishing popularity from the anticosty Lona any work she had previously published. Even now, Mr. Syurczoy derives half his celebrity and astonishing popularity from the anticosty Lona any work she had previously published. Even now, Mr. Syurczoy derives half his celebrity and astonishing popularity from the anticosty Lona and the state of the continuous of the British character, which demands to hear the alterna partem in every argument; an admirable principle it is, and the great foundation of our national liberties, civil and religious. We scarcely know whether to appland or censure our over zealous friends in the cause of rating mines. In face of the mass of evidence adduced, they certainly cannot be so serious and persevering in their attempts as to force a division? No, no! We give Mr. Kendall and his colleagues credit for more shrewdness and foresight than taking that taking that the proofs elucidated, and to be still brought forward, will most certainly do mining a vast amount of good. We cannot for a moment doubt the proofs elucidated, and to be still brought forward, will show a well employed, contented, industrious population, having their clubs, beands societies, and such like salutary provisions, paid out of their ownerings, which few of the his and pro

quent litigation.

Let us now take a look at the paradox to the present state of our mining

Let us now take a look at the paradox to the present state of our mining districts. What would be the consequences to the greater part, supposing capital diverted (as it most assuredly would be) from its accustomed ohannels? Cornwall, for instance, would become a neglected spot, the inhabitants would emigrate, the now flourishing towns and numerous villages dwindle into mere hamlets of hovels, as they were formerly, and as they were lately and are at present in similar districts in Ireland, the panacea for which is declared to be mining industry. What would become of the trade now continually occupying several steamers in the carriage of manufactured goods, groceries, &c., weekly? What would employ that immense fleet of vessels occupied by the transit of produce to Wales, and vice versa? The value of the surface of the land, enhanced trebly within the last 20 vears solely by the increased population congregated by mines.

cersa? The value of the surface of the land, enhanced trebly within the last 20 years solely by the increased population congregated by mines, would revert to its former price, or be thrown out of cultivation, whist the underground wealth would probably remain in its native storehouse until experience should have taught our Legislature to remove the trammels now so unjustly attempted to be enforced, despite the most experienced evidence perhaps ever offered.

But we have faith in our cause, as well as confidence in our "collective wisdom." It is our duty to call on the Members representing mining districts, particularly Dovon and Cornwall, to be alive to the danger, and to take early, active, energetic plans to prevent the measure coming upon them like an avalanch, overtaking them in fancied security. Very great exertions are making by the advocates of the bill, and doubtless an ambitious individual will got to great lengths to earry his point. Mr. Kendall says there is little or no excitement on the subject manifested. We beg his pardon; if he could see our letter parcels he would alter his opinion. But there are none so blind as those who will not see, or surely he must already have seen enough to know the bill is unpopular and unnecessary.

If "One and All" act in concert, the day is their own. The hydra may be exterminated by a determined endeavour, but, be it remembered, it is an herculean task; we trust we have a Hercules to accomplish the feat.

The annual return of the Imports and Exports of Copper, Zinc, Tin, and Lead, during 1856, shows our mineral and metallurgical industry to be in a highly favourable position as compared with the preceding year. In the twelve months ending December 31 last, we imported of Coppen 71,678½ tons of ore, 11,124½ tons of regulus, and 5331 tons of metal, which includes bricks, pigs, bars, sheathing, &c.; the increase upon ore and regulus being, therefore, upwards of 25 per cent., and the docrease upon manufactured qualities nearly 50 per cent. Our chief sources of supply have been Chili, Cuba, Victoria, Spain, Peru, South Africa, and South Australia; Algeria, Italy, and Bolivia being the next in succession. The figures show that we imported from—

8	PARTY THE PARTY THE	Ore,	Regulus,	Metal.
	Chili	23,73414	959214	1825%
	Cuba	19,836 4		11
	Victoria	6,0691/4	30%	427 %
	Spain	5.685 %	64	335 1/
	Pera	3.468 3	500%	46%
	South Africa	2,557 4		13%
	South Australia	1.6524	57	765 V
	Other parts	63.004 4	9537	2207

British; and the United States, Atlantic ports, 167½ tons of British; and the United States, Atlantic ports, 167½ tons of British, and 68½ tons of foreign.

Of Spelter, we imported 18,213 tons (of which the Hans Towns furnished 11,291 tons; Belgium, 3613 tons; and Prussia, 1747 tons), and of oxide of zinc 235½ tons (of which Belgium furnished 192½ tons). Our chief export trade has been with our territories in the East Indies, they having taken 1572½ tons of British, and 1016 tons of foreign. The only other place with which any considerable business has been done is the British settlements in Australia, amounting to 586 tons of British, and 99 tons of foreign. The total exports were 3155½ tons of British, and 2172½ tons of foreign spelter, and 15 cwts. of oxide of zinc.

The imports of Luan consisted of 10,254 tons of pig and sheet, 705 tons of ore, 15 tons of red, 30½ tons of white, and 3 tons of chromate. The greater part of the pig and sheet lead we received from Spain (which sent 9407 tons), Belgium, Hans Towns, and Holland. Nearly the whole of the lead ore was from Spain and France, Italy, Belgium, and Holland aupplied the white lead; and of the chromate of lead the Hans Towns sent 2 tons, and Hanover 1 ton. Our export trade amounted to 646 tons of

supplied the white lead; and of the chromate of lead the Hans Towns sent 2 tons, and Hanover 1 ton. Our export trade amounted to 646 tons of ore, 20,868 tons of pig and rolled lead, 2266 tons of shot, 476½ tons of litharge, 1845½ tons of red, and 2819½ tons of white lead; in addition to which we re-exported 566 tons of foreign, nearly all of which went to China and the United States. For British lead, our best customer was Russis, taking 6393 tons of pig and rolled lead, and about 334 tons of other descriptions. The United States, Atlantic ports, took 4646 tons of pig and rolled, and 919½ tons of other descriptions. British settlements in Australia come next in rotation, taking 1513 tons of pig and rolled lead, and 974 tons of other descriptions. The East Indies, France, British North America, and Brazil, were also large consumers. It is gratifying to find that the proportion taken by British colonies keeps pace with the general increase, and in some instances even shows an improvement upon the preceding year; whilst in the import trade we gradually become more independent of foreign countries, in consequence of an increased production, both at home and in places under British control.

We cannot yet comply with the wishes of our several correspondents, to furnish more special particulars of the case of misrepresentation with respect to a certain mine, so called, to which we alluded in our Journal of June 20. We then mentioned that it was a case for legal enquiry, and we now learn that "declaration" in the action has been delivered to the solicitors for the defence. It would, therefore, be unjust to all concerned to give precise particulars, lest the case might be prejudiced upon mere exparts statements; and the curiosity of our readers must remain unsatisfied for two or three weeks. It is clear that the trial must go on, and we will, necessarily, give a full report of the proceedings. The withdrawal of the action on the part of the plaintiff would be an admission of doubt of the truth of the charges made; and as they have been alleged so openly and distinctly, and involve important considerations, the none prosecution of the action would lead to inferences being drawn as to why proceedings had been instituted and afterwards abandoned, which would lay the plaintiff open to severe comment. On the other hand, if the defendants, by acquiescing in the formal claim for expenses merely, made against them, should thus dispose of the present action, their doing so would, necessarily, amount to an admission of the serious charge involved, and would lead to a prosecution in another and more formidable shape. For every reason, therefore, the proceedings already initiated must befully exhausted, and we trust the result will be the relief of the parties who may have undertaken liabilities on the faith of representations, the falsity of which, while we believe it exceptional, tends to bring discredit on mining.

Those of our readers who have studied the preface of Mr. TAFFING's Exposition of the Joint-Stock Act, 1856, are fully aware of the shortcomings of that remarkable statute, and have long anticipated the bill for its amendment, now under the consideration of a Committee of the House of Lords. The bill now before Parliament proposes to remedy several of the objections pointed out by Mr. TAFFING, and amongst them the repeal of the impolitio 4th section, which provides that—

"Not more than 20 persons shall after Nov. 3, 1856, carry on in partnership any trade or business having gain for its object, unless they are registered as a company under the Joint-Stock Companies Act, 1856, or are authorised so to carry on business by some private Act of Parliament, or by Royal Charter, or Letters Patent, or are engaged in working mines within and subject to the Stannaries; and if any person carry on business in partnership contrary to this provision, every person so acting shall be severally liable for the payment of the whole of the debts of the partnership,"

The clear construction of the above clause is to prohibit and put down.

members of the partnership."

The clear construction of the above clause is to prohibit and put down, under the severe penalty of a misdemeanour, all but certain excepted partnerships of more than 20 persons. Now, as cost-book companies out of the Stannaries jurisdiction are not among the excepted companies, so they undoubtedly became illegal after Nov. 3, 1856. The discussion of this subject in the columns of this Journal, some few months ago, attracted the attention of persons in high official positions, and thus it is that no time has been lost to rectify the error, and expunge the arbitrary 4th clause from the statute-book. This it is proposed to do by the 3d clause of the new bill, which provides—

from the statute-book. This it is proposed to do by the 3d clause of the new bill, which provides—
"That the fourth aection of the Joint-Stock Companies Act, 1856, shall be repealed, and in lieu thereof there shall be enacted as follows:—If after the passing of this Act more than 20 persons carry on in partnership, abect the procurement of gain to the partnership, then, unless such persons are included within one or more of the clauses following (that is to say, are registered as a company under the Joint-Stock Companies Act, 1856; are a company incorporated, or otherwise legally constituted, by or in pursuance of some Act of Parliament, Royal Charter, or Letters Patent; or are engaged in working mines within and subject to the jurisdiction of the Stannaries), each one of the persons so carrying on business in partnership together, contrary to this provision, shall be severally liable for the payment of the whole debts of the partnership, and may be sued for the same, without the joinder in the action or suit of any other member of the partnership."

The difference between the clauses is simply this, that the fourth clause

The difference between the clauses is simply this, that the fourth clause beolutely prohibits certain partnerships above 20 in number, whilst by

the amending clause the members of companies more than 20 in number cannot have limited liability, but each remains, as at common law, liable for the whole debts. Thus, a cost-book company out of the jurisdiction of the Stannaries Court, though composed of more than 20 persons, will be again legal, subject only to what it was obnoxious to before the passing of the Joint-Stock Companies Act, 1856—that is, the payment of its debts by each of its members. No doubt, the late Joint-Stock Companies Act is too cumbrous for a simple mining partnership. We have shown it to be so by argument, and the public have acknowledged it by their constant endeavour to shirk the irritating clause of the Joint-Stock Act. We, therefore, rejoice that the Legislature has taken the sound and politic view it has; and we hope that the amended clause may soon become law, and that the mining community will shortly reap the advantage of our advocacy. We may fairly say that the alteration is mainly due to our strenuous exertions to that end; and it is at least satisfactory that we have again placed cost-book companies upon a safe and legal footing.

THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL. [FROM OUR CORRESPONDENT IN WEST CORNWALL.]

July 1.—The last sale of copper ores, for the first half of the year 1857, took place at Redruth, June 25; and on a review of the weekly sales in Cornwall since Jan. 1, the half-year is seen to have been one of almost unprecedented fluctuation in the prices given by the smelters to the miners for ores. The following figures will exhibit the fluctuations referred to:

Date. Tons. Standard. Produce. Price per ton. Cop. ore. Cake cop.

AF WELLS	Tomes.	Chemina									0100
Jan. 1	2518	£150 12		714	63	3	6	£112	18	3	E128
. 8	4327	155 15		63	. 7	12	0	114	8		126
., 23									8	*****	135
,, 29				6%					14	*****	135
Feb. 5				64					13		135
. 12				6%	-		6		19		135
, 19				5%			0			980140	135
, 26				6¥			0			******	135
Mar. 5				6¥			-		7	******	186
, 12				61						222 907	135
, 19				5%			6			******	135
. 26				64							135
**				64						******	135
April 1										040110	135
. 9				. 6%							135
,, 23	. 5313			. 5%						*****	-
,, 30	. 3579	. 146 1	0	. 616	. 6	16	0	. 104	7	*****	125
May 7	. 3117	145	2	. 6%	. 7	4	6	. 105	3	*****	126
, 14				61					12		126
,, 21				. 6 ,					14	*****	126
,, 28				. 636					12	******	126
June 4				. 616					1	*****	117
, 11				. 6%					0		117
18											
25										******	
	n boaded										

The column headed "ore copper" shows the fluctuation in the given by the smelters to the miners for as much ore as would make of copper at each sale, according to the smelters' own assays. The decline of prices is thereby much more apparent than by looking at the average standards and produces at each sale. The "ore copper" column shows that at the third sale in each month of Dovon Great Consols and eastern that at the third sale in each month of Devon Great Consols and castern ores the price given is generally lower than at the other sales; but this is nothing new. What is more surprising is the immense fluctuation of prices since the beginning of the year, when trade was generally reported to be in a sound and healthy state. There is some truth in the statements made on behalf of the smelters that there has been a great deal of foreign ores selling lately at Swansea, and that the exports of copper in the spring of the year have fallen off, and the home trade experienced some fluctuation in consequence of the state of the money market, and the restrictions such a condition of things necessarily imposes. But with all the allowances which for these causes may be reasonably made, the whole is insidequate to account for the immense reduction of 14. 11s. per ton of ore between Jan. 1 and June 25. If the standard had been the same last week as it was on Jan. 1, the ores which last week sold for 54. 9s. 6d. per ton would have made at least 7t. per ton. The reductions in the course of the half-year will be evident to any person without calculation, if we take those weekly sales when the produce was the same as last week—6...

Frice per ton.

	Feb.	- 5	**********	£160	18		614	£7	5	0	
	Feb.	26	************	153	16	******	61	6	16	0	
	Mar.	26	************	147	6	*****************	64	6	9	6	
	April	1 1	******	147	10	***************************************	61	6	9	0	
							6%			6	
			-			,			-	-	

Feb. 26
Mar. 27
Mar. 2

and the total returns of copper and tin amounted to about 622,000/.
What an advantage such a mine as this must be to the district. It has paid in the last 25 years about 350,000/. for labour, merchandise, rates, and taxes; and yet those who are the blind advocates for the rating of

mines would endeavour to make Parliament believe that mines are burdens upon the parishes. It is satisfactory to see that by far the major part of the evidence given before the committee is totally against the rating.

There have been a few shares selling in dividend mines, at reduced prices. Wheal Buller is stated to be looking better, but shares do not advance. South Frances, about 290l. East Basset, 37l. North Frances, 15l. These mines are almost certain to go up again; indeed, there are many progressive mines at the present time arrived at such a point of working, and with such excellent prospects before them, that any capitalist

would do well to purchase. Tolvadden is spoken of as a young mine having very good prospects. Rosewarne shares dropped to 351. South Garras, 281. Several of the tin mines are doing well. Great Hewas is is becoming increasingly productive. Wheal Kitty (Lelant) is one of the best tin mines in the county. There is a very good report of Wendron Consols; and Ding Dong is stated to have improved. If in connection with the sales of tin the produces were published it would not be difficult to show what profits the tin smelters are now making. This would be very desirable, and some opposition to the existing firms would be more desirable still.

THE IRON AND COAL TRADES OF MONMOUTHSHIRE AND SOUTH WALES.

[FROM OUR CORRESPONDENT IN SOUTH WALES.]

JULY 2 .- We adverted last week to the informations laid under the Coal Mines Inspection Act, by Mr. Mackworth, Government Inspector, against Mr. Crawshay Bailey and several other colliery proprietors in and against Mr. Crawshay Bailey and several other colliery proprietors in and around Blains. It is unnecessary to recapitulate the circumstances connected with the enquiry, which, as we have already stated, commenced on Friday last, by warrant of a mandamus obtained by Mr. Mackworth from the Court of Queen's Bench. The result was a decision in one case only, the others being adjourned by mutual consent until Wednesday next. The charge was that the boiler used in the Deep Pit Colliery, of which Mr. Bailey is part proprietor, was not provided with a proper steam guage and safety valve, and Mr. Mackworth stated that on the occasion of his visit to the colliery the safety valve was held down by a large tram-wheel, and the men had not been furnished with proper rules. The doors were red hot, and it was quite impossible, he stated, for the works to be conducted with safety while such neglect was continued. Mr. Bailey solicitor urged that the works had been managed without accidents for a number of years, and also gleaded in extenuation that the new valve required had been supplied, and, therefore, asked for a mitigation of the full penalty. The magistrates, after some discussion, inflicted a fine of 50s., and costs, and adjourned the remaining cases, to enable the defendants to obtain the assistance of counsel. There are four other charges against Mr. Bailey, and three against other parties, for various infringements of the Act. It is to be hoped the final result of these investigations will be to cause greater watchfulness and care on the part of colliery proprietors, and induce them to be less solicitous about incurring a trifling expense than to save life. Among the works which have latterly progressed so rapidly are the Rhymney Company's, in the Rhymney Valley. So large is the business now done there, that it is anticipated they will become formidable rivals to the more celebrated Dowlais Works before many years have elapsed. They are situated in the midst of a rich and extensively-producing district, and railway acc around Blaina. It is unnecessary to recapitulate the circumstances con

A vast increase takes place in the operations there every year, and, indeed every month, and improvements are constantly being made to continu this progress. The proprietors are enterprising men, and, with a good fiel to work upon, they cannot fail to have their exertions attended with mucl profit and success.

An important discovery of coal has been made since we last wrote in a district which seemed likely to lose its status, from the fact of the principal colliery there having been supposed to be worked out. The mine we allude to is known as the Gellygaled, and is not far from Cymmer (the scene of the dreadful explosion a few months ago), on the Rhondda Velley. There has long been a portion of the mine regarded as totally barren, and the eastern ground was believed to be entirely destitute of mineral. There has now, however, been discovered a vein of superior coal, varying from 3 ft. 3 in. to 3 ft. 5 in. in thickness, and this is likely to prove very profitable to the owner, Mr. V. L. Lewis. The range of the level course is from east to west, the rise being to the north. The coal is the No. 3, or "Dinas" description, and in an adjoining colliery a fine vein of the same kind has been struck upon. This will have the effect of preventing great losses to the land proprietors around, who were likely to be injured by the suspension of all building works, in consequence of the impression existing that no more coal was to be procured.

An ordinary observer, or a stranger to the habits and the manners of English miners, would, probably, have inferred, from the fearful "accidents," as they are termed, which have occurred during the last two or three years in collieries, that the miners would, on their parts, exercise the greatimportant discovery of coal has been made since we last wrote in

dents," as they are termed, which have occurred during the last two or three years in collieries, that the miners would, on their parts, exercise the greatest vigilance and care. Yet such is by no means the case. Complaints, which never reach the ears of the general public, are constantly being brought before magistrates, and, still more privately, before the owners of pits, of the gross carelessness displayed by the workmen with reference to the use of naked lights. The proprietor of an extensive colliery here declares that cases are constantly brought before his superintendent of men smoking while at work, and using, moreover, a naked light. Even in dangerous parts of the mines, where the greatest precaution is recommended. smoring while at work, and using, moreover, a naked light. Even in dangerous parts of the mines, where the greatest prescution is recommended, some reckless man may often be found acting in this manner. Can we wonder that the consequences too often are terrific explosions, and a dreadful loss of life? These calamities cause, at the time, a sorrowful sensation among those chiefly concerned, but the effect soon wears off, and matters go on precisely the same as before. There is no class on whom colliery explosions create so little impression as on miners themselves, and, however inexplicable this fact may appear, events which are constantly taking place prove it indisputably. With an utter disregard of human life, both of their own and that of their companions, they persist in follife, both of their own and that of their companions, they persist in follife, both of their own and that of their companions, they persist in follife, both of their own and that of their companions, they persist in follife. however inexplicable this fact may appear, events which are constantly taking place prove it indisputably. With an utter disregard of human life, both of their own and that of their companions, they persist in following a course which has over and over again resulted so fatally. They refuse to adopt the precautions, such as they are, which are placed within their reach. Doubtless, the preference which is now so generally shown for the naked light rather than for the Davy is the result, in some measure, of the inefficiency of the latter, but, in many cases, an obstinate prejudice has to be surmounted, and if it were possible to invent a lamp which would shed a light like the sun, and be perfectly safe withal, its popularity would be extremely uncertain.

would shed a light like the sun, and be persectly sate within, its popularity would be extremely uncertain.

The Iron Trade here is brisk and active. Manufacturers have, at present, more orders in hand than they can possibly execute within the prescribed time, and thus activity seems likely to continue for some time Prices have not sufficiently altered to require particular remark.

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE.

[FROM OUR CORRESPONDENT IN CHESTERFIELD.] JULY 2 .- The Iron Trade continues in a healthy state, and the prospects of business for the next quarter are highly favourable and encouraging It is not doubted that any alteration will be made in prices, and this step has given increased firmness and activity to trade. The demand for manu has given increased firmness and activity to trade. The demand for manufactured iron from the East, and the colonies generally, continues good; whilst the home trade is gradually improving. There is a good demand for rails, railway springs, and railway ironwork generally. This branch of the iron trade is making rapid progress in Sheffield, and three or four firms are now fully engaged in the manufacture of an enormous quantity of this description of ironwork. Bars are in good request, and there are numerous enquiries for plates. It is a satisfactory indication of the progress of the iron trade in Yorkshire, that within the last few years business has been nearly doubled in extent. It is also worthy of mention that the plates used in that monater of the seas—the Great Bastern—were made by a Yorkshire house, Messrs. Beale, and Co., Park-gate, Rotherham. Messrs. Guest and Chrimes, brassfounders, Rotherham, are building more extensive works, to meet the requirements of a greatly extended trade.

extensive works, to meet the requirements of a greatly extended trade.

On the 26th of the present month Sheffield and the neighbourhood will exhibit specimens of its skill, not in the manufacture of articles of cutlery, but in the make of agricultural implements, which are to be shown in connection with the great poultry exhibition. Mesars, Davy Brothers have already earned laurels at the Vienna show, they having carried away the gold medal for the best agricultural implements.

There is no material alteration in the Coal Trade. The demand continues

imity to the main line of the Midland Railway, and, we understand, it is intended to make a mineral branch in connection with it.

imity to the main line of the Midland Railway, and, we understand, it is intended to make a mineral branch in connection with it.

The operations at Lund Hill for the recovery of the bodies are going on favourably, and in the course of a fortuight or three weeks the whole of them will, in all probability, he recovered. It is not expected that there are more than 10 bodies to be recovered. It is not expected that there are more than 10 bodies to be recovered. It is not expected that the School of Art, Sheffield. They consist of carpentars' tools, turning-lathes, and other implements, contributed by Sir John Bowring.

We have alluded on several previous occasions to the mineral wealth of Derbyshire, not only as regarded its metals, but also in respect of its stone and lime deposits. A company has been formed for working the Hopton Stone Quaries. The capital has been subscribed, and the company would have been in working operation now had it not been for a long and tedious valuation which is now going on, and not expected to be finished for the next month. The prospects of the company are exceedingly good, and, with judicious management, they will be enabled to pay the proprietary from 20 to 30 per cent.

for the next month. The prospects of the company are exceedingly good, and, with judicious management, they will be enabled to pay the proprietary from 20 to 30 per cent.

The Stockport, Disley, and Whalley Bridge Railway Company have obtained the sanction of the shareholders to extend the line to Buxton.

Lead mining operations are going on favourably in North Derbyshire. The Eyam, as the king of mines, deserves first mention. The mine is yielding an immense quantity of ore, and the men of North Derbyshire, who some time previously thought little about its prospects, are perfectly astounded, and they begin to calculate what they might have gained had they not been in such a hurry to sell.

Mining operations have been commenced at the North Derbyshire (Wren Park) Mine, and a cross-out is being made. The mine is looking well, and the company are more sanguine than ever of its prospects.

The Peak United is going on as favourably as can be expected. The level is being worked on very low terms, and, as no engine-power is needed, the mine is expected to be in a good position shortly.

We hear of no movement in North Dorbyshire with respect to the Rating of Mines' Bill among the miners themselves, but as the Hon. G. H. Cavendish is on the committee, we have good hope that he will not permit an injustice to the perpetrated.

mit an injustice to the perpetrated.

THE IRON AND COAL TRADES OF STAFFORDSHIER. [FROM OUR CORRESPONDENT IN WOLVERHAMPTON.]

JULY 30 .- The quarterly meetings in this district take place next reek at the principal towns in succession. The excessively hot weather which prevailed up to a day or two ago has caused a considerable diminution in the make of finished iron, the men being unable to work in consequence of the great heat. The Iron Trade at this season of the year, and frequently at the close of a quarter, is quiet, pending the completion of purchases of pig-iron, and entering into contracts for the ensuing quarter. This will to some extent account for the degree of slackness which is felt at the present time. Many of the second-rate makers are accepting lower rates for finished iron, and some of the leading houses are scantily supplied with orders. The nominal price of pigs may be stated as 4t. 2s. 6d., but a superior pig may be had for 4t., by parties whose bill is equal to cash, and prices are quite unsettled. There is a tendency to abstain from purchasing largely, on the supposition that prices may recede during the quarter, and it is anticipated by many that a decline of at least 2s. 6d. a ton from the prices which ruled at the beginning of this quarter must be acceded to by makers of pig-iron, unless an increased demand should spring up shortly. The meetings next week will prove whether this anticipation is likely to be realised. Several considerations encourage the expectation that a fair demand will be experienced during the quarter. The Board of Trade Returns for May show a steady increase in the export of iron during that month, of which a considerable portion is due to the increased exports to the United States. Stocks are confessedly low everywhere, and the necessity for iron rapidly augmenting. In this state of things it may fairly be calculated that, though orders may be held back before quarter day, at least a steady demand must be experienced. The probability of a further fall in the rate of discount will also tend to improve the demand for iron, and to encourage larger purchases; and it is almost impossible to believe that the reduction in the American import tariff can fail to augment the demand from that country.

Coal maintains its price, and appears likely to do so throughout the consequence of the great heat. The Iron Trade at this season of the

eduction in the American important control that country.

Coal maintains its price, and appears likely to do so throughout the unmer, as the laying in of winter stocks will commence shortly.

The general trades of the district are quiet. The transition from the unmer to the winter demand is experienced by manufacturers at this act of the year; and, probably, another month will afford greater indiations of briskness. The London trade is particularly quiet just now, as is usually the case at this season.

STOCK, MINING, AND RAILWAY SHARES IN IRELAND.

[PROM OUR CORRESPONDENT IN DUBLIN.] JULY 2.-The stock and share markets, consequent on the news from ndia, were very flat and heavy this week, and prices declined. Business, too, was limited; but railway shares were maintained in price, the principal alteration being in Midland Great Western shares, which rose fully 21. per cent. The following are the latest quotations, as usual :- Consols

cipal alteration being in Midland Great Western shares, which rose fully 2l. per cent. The following are the latest quotations, as usual:—Consols, 92\frac{2}; New Three per Cents., 91\frac{2}; Hibernian Bank, 32\frac{1}; Royal Bank, 22\frac{2}; Mining Company of Ireland, 15\frac{2}; Wicklow Copper Mine, 31\frac{1}; Belfast and Ballymena Railway, 49\frac{2}; Belfast and County Down, 31; Cork and Bandon, 10; Dublin and Wicklow, 5\frac{2}; Killand Great Western, 50\frac{2}; Killarney Junction, 10.

The half-yearly meeting of the Mining Company of Ireland was held today. The attendance was good, and the proprietors never before seemed so satisfied with the prospects of the concern than they did on the present occasion. Scarcely a question was asked in explanation of anything stated in the accounts, or report, and whatever was made the subject of enquiry was answered by the Chairman in a manner which at once carried conviction to the minds of those present. The report of the directors and the statement of accounts were both highly satisfactory. At the Knockmahon Mines 2480 tons of copper or were raised during the half-year, the gross value of which was 29,822l., leaving as profit 6590l., showing a greater profit on a smaller quantity of ore when compared with the previous half-year, this being attributable to the high price of copper. At the Luganure and Glendalough Lead Mines there was an increase of produce of 50 tons, 835 tons having been raised, valued at 10,539l., leaving a profit of 3091l., independent of 635l. expended on dressing floors, buildings, and other permanent improvements. The stamp-machine and water-wheel now in course of construction at Glendalough property itself has been reclaimed. and 150,000 trees planted. The Slievardagh Collieries produced a profit of 40594. 24,785 tons were raised during the half-year; but 29,443 tons were sold, thus reducing the amount on hand. At the collieries an increased demand had sprung up for the culm in the agricultural districts, and, besides the amount from Sliev Ballycords works, over the smelling portion of which Mr. Alfred Jenkin so efficiently presides, there was a profit of 828l., after writing off for depreciation 147l. Two furnaces are at work, and during the half-year 669 tons of ore were smelted, with a return of 461 tons of lead, showing an average produce of 69 per cent., the produce of fine silver being 3775 or. It is intended in the ensuing were to considerably actual to 3775 oz. It is intended, in the ensuing year, to considerably extend the operations at these works, the demand for shot being more than the company can supply. It is proposed to erect a new shot tower, at an expense of over 2000l., a new chimney and flue, at a cost of about 2500l., besides houses for the superintendent and workmen, and other necessary buildings, which will cost about 1000l. It is also intended to erect a steam-engine at the Ballycorus Mine, and also at the Ballydehob Mine, where the indications fully warrant an outlay for this purpose. The accounts were this to cons There is no material alteration in the Coal Trade. The demand continues depressed for demestic consumption, but the enquiries for manufacturing purposes continue numerous, and prices tolerably steady. There is great progress making in the export trade, which is rapidly extending itself, and all those points of outlet where such a trade can be conducted with advantage. The Manchester, Sheffield, and Lincolnshire Railway Company having disconnected itself with the London and North-Western, and formed an alliance with the Great Northern, it is possible that new arrangements or modification of existing traffic contracts may be made with great advantage to the companies and the coal owners generally. The valuable beds of coal on the estate of Sir R. Sitwell, Bart., of Renishaw, near Eckington, have been let to Messra. Wells, the coal masters, and borings have been made, and the necessary arrangements effected for working an extensive coal traffic in that district. A shaft is being sunk in close prox-

An error crept into my remarks of last week, where I stated that the presses used by Mr. Hays could turn out each 1 ton of compressed peat per day. This should have been per heer, or 24 tons per day, if the presses worked continuously. The following is a short extract from Dr. Letheby's report on the compressed peat :—"The compressed peat appears to possess most of the qualities which are referred to by the Admiralty Commissioners as the easentials of a good fuel, for it burns quickly, and, therefore, produces steam in a short time. It possesses tolerably high evaporative power; it is not bituminous, and, consequently, does not evolve opaque amoke while burning; it is not likely to be broken by attrition; it possesses a form well suited for stowage; it is entirely free from sulphurets; and it is not liable to spontaneous combustion." I will, on another occasion, take care to send you Dr. Letheby's report on peat in full, as it will show the immense value to be attached to the peat bogs of this country.

The Wicklow Copper meeting will be held this day week.

THE GOLD QUESTION AGAIN.

There appears yet to be so much doubt about the existence of gold in remunerative quantities being obtainable in this country, and in Ireland, that it becomes a matter deserving serious attention. The principal authat it becomes a matter deserving serious attention. The practical subthorities on the production of gold appear to hold views entirely antagonistic, the one asserting gold is not found except in a metallic state, the other vehemently assuring us it exists in a variety of forms, particularly oxides. Now, either the one or the other are certainly greatly deceived, or are deceiving themselves. Mesers. Squire, Calvert, Readwin, and others, all cry "Eureka," and show specimens of quartz, wonderfully studded in some instances with "globular gold"—that is to say, or rather they say, by undergoing their respective processes the gold existing in the quartz in the state of oxide, and, therefore, non-metallic and invaible, is acted on and becomes metal, after which it is easily amalgamated or collected by any ordinary proceeding. The pieces we have seen certainly show decided proofs of these statements. The most sceptical cannot doubt, when he breaks the stone and discovers the globular gold, that it could have been placed there by no other hand than Dame Nature.

Now, the question to us, and we think to the commercial world, is "Willit pay?" All respond "Yes, and handsomely." The man of the world enquires, "Why do you not get to work on a small quantity first, and proceed gradually, as every tradesman would do? Keep the secret to yourselves, and if it be so profitable as you represent, there can be no difficulty about the matter." But this mode of action does not seem to suit the men of gold. They want's large capital subscribed to purchase their patents and secure properties, suspected at first, but afterwards to be proved, by the late gold dethorities on the production of gold appear to hold views entirely antago-

of gold. They want a large capital subscribed to purchase their patents and secure properties, suspected at first, but afterwards to be proved, by their inspection and experiments, to contain the precious metal.

Now, public feeling, although it may be influenced by the late gold delusions and deceptions, should not be so decidedly prejudiced as not to give the operators a fair trial. If they can accomplish on a large scale what they state they are able to do, and they certainly offer fair presumptive evidence in their laboratories, the question would be soon and for ever set at rost. At the same time, it is preposterous to suppose that, under all circumstances, the public will come forward and subscribe some thousands to advance the interest of a party, without some more definite, well defined project than any hitherto presented.

the advance the interest of a party, without some more definite, well defined project than any hitherto presented.

If our experimentalists, who have been continually promising great things, would only show the result of their processes on a few tons, instead of a few grains, no amount of capital that would be deemed necessary would be withheld, and a remuneration for their services secured which the most ambitious or avaridous amongst them could possibly desire. The cost, according to their own showing, would be but trivial. Their reward, how great? Surely the object is worth the effort.

We commend these remarks to the parties most concerned, as they may rest assurred considerable difficulties will be experienced in raising a large rest assurred on siderable difficulties will be experienced in raising a large rest assurred considerable difficulties will be experienced in raising a large must be of consequence, as every year's procrastination is so much deducted from their golden harvest.

BRISTOL SCHOOL OF MINES.

The first annual examination took place on Monday and Tuesday, before The first annual examination took place on Monday and Tuesday, before Mr. W. W. Smyth, M.A., F.G.S., &c., who was assisted by Mesars. G. C. Greenwell, M.E., and J. Hedley, Government Inspector of Coal Mines. Besides the general pupils, several underground agouts from the Bristol and South Wales collieries presented themselves for examination in mining subjects. These were for the most part examined orally, and by their answers to the very important and telling questions respecting the direction and management of the very important and telling questions respecting the direction and management of some cases a very satisfactory knowledge of some of the more important branches of somic cases a very satisfactory knowledge of some of the more important branches of somic cases a very satisfactory knowledge of some of the more important branches of somic cases a very satisfactory knowledge of some of the more important branches of somic cases a very satisfactory knowledge of some of them are important branches of some of the more important branches of some of the more important branches of some of the more important branches of continuous from Mesars of gases met with in mining, and the laws and practice of colliery ventilation. Most of the pupils have not been in the achoeol longer than about four months, and some of them have had but limed means of previous education, yet the progress they had made in an acquaintance with the subjects taught in the Mines School was such as to educe from the examination were—surveying, leveling, and prevention of accidents; geology and mineralogy. The result of the examination will not be made known until the commencement of the next session of the school, which prices will be supposed that the promoters and managers of the school have been looking forward with considerable anxiety to the occurrence of this, their first annual examination. No merly casual observer could fail to notice the examination will not be made and anytoment of these who gove the theorems of the school have been Mr. W. W. Smyth, M.A., F.G.S., &c., who was assisted by Messrs. G. C.

Coffee Ores, —Mesers. Reid and O'Neil have patented a method of treating metallic ores to obtain copper: this invention relates especially to means by which copper can be economically obtained from the poorer kinds of ores containing that metal, such, for instance, as contain only from 1½ to 3 per cent, of metal; but the improvements are also applicable to the treatment of richer ores. They first reduce the present the such as a policable to the treatment of richer ores. They first reduce the present of the ore we effect by any ordinary crushing or grinding apparatus, and while the ore is in process of reduction we mix (by throwing in with it) crude kelp (or the component parts thereof when in combination), the quantity of which is regulated according to the percentage of sulphur in the ore, but generally speaking, ten pounds to every hundred pounds of ore is found sufficient, which quantity, however, may be varied. If, however, the ore be reduced to powder by the ordinary stamps, through which it is passed by the aid of a current of water, the ore computerised may be collected in heaps and allowed to become nearly dry, when powdered kelp (or the constituent parts thereof in combination) will be mixed with it, and the mixture treated as in the next operation; the combination of ore and kelp (or its constituents) obtained is then slightly damped by sprinkling it over with water, keeping it continually turned over till the water has touched every part and the heap of ore is damped throughout. This part of the operation should be done carefully, as too much water in the ore would cause it to agultinate in the furnace, and prevent its complete oxidation in the next process. In case the ore from the stamps (as above mentioned), when mixed with its proper proportion of kelp (or the constituent parts thereof in combination), is found to be too wet, it may be sprend out and turned over until the excess of moisture present has evaporated before it is exposed to the action of fire in the furnace; we then place the mixtur COFFER ORES .- Mesers. Reid and O'Neil have patented a method of

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RATING OF MINES.

TO THE EDITOR OF THE MINING JOURNAL.

RATING OF MINES.

Siz.—At length we have an explanation of the cause why the Miners' Committee are so inactive. We are told by "Honi soit qui mal y pense" that they are watching fint one break of their opposents' chain, following out the link, &c., and waiting to allow the public to perceive that Mr. Kendall has made out no case for imposing rates on the royalities of nines; in fact, they are merely watching the evidence. If this be correct, there is no need of a committee being appointed for such a purpose, as I presume that there are but few interested in mining who are not doing the same thing. Your orrespondent talls us there are thinking men on the committee. So said the links of the parrot: "True, she will not speak; but then what a thinker she is." No have a committee of thinking gentlemen to watch over our interests, and "Honi laust be led to believe that, being honoured, as he apparently is, by their acquaintace, by some messure for magnetic influence he has been able to divine their purpose, and hence the solution he has arrived at of their indefatigable vigilance. They certainly must be pleased at the compliment he apparest to pay them. The comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he seems to directly and the property of the comparison he will be the property of the comparison of the comparison he cannot be compared to the comparison of th

THE PIG-IRON TRADE-" WARRANTS."

In the Mining Journal of June 16, we alluded to an action brought against Messrs.

Connal and Co., of Glasgow, for issuing "warrants" not referring to particular parcels (a procedure generally asactioned by the trade, and which has been in practice for many years) by Messrs. Balley Brothers and Co.; and in consequence of the result of the trial a meeting of the trade has been convened by Messrs. Connal, for the purfor many years) by Mesers. Balley Brothers and Co.; and in consequence of the result of the trial a meeting of the triale has been convened by Mesers. Connal, for the purpose of considering the propriety of adopting a new form of pig.:ron "warrant," to ensure identification and security. Mr. Michael Connal explained that their "warrants" in circulation represented 52,000 tons, of which only 225 tons were is transitute remainder being all in store. The total six is the interval amounted to \$4,884 tons, and for the sexess of stock over "warrants" in circulation the documents had not yet been demanded. There was a discrepant by the particulars of the stock as to brands and quantities, and the particulars of the original consignments, as represented by the "warrants." The system between the particulars of the stock has thus become discated had been pursued for 12 years of the which the stock has thus become distant, if the "warrant" was for 310 tons No. 1 Cityde and 200 tons No. 3 Carnbroe, the holder might apply for 200 tons No. 1 Cityde and 200 tons No. 3 Carnbroe, the holder might apply for 200 tons No. 1 Langloan, 100 tons No. 1 Govan, and 200 tons No. 6 Warrants of the stock of the trials to be competent to comply with the request. This state of things was very unsatisfactory to those who held "warrants" imply as security; whilst speculators resisted any change that limited the application of the "warrant" to particular parcels, and for delivery at a particular port, and thus to leave "warrants" for particular parcels, and to determine what portion of his iron to warehouse at For Dunds and at the terminus. For the convenience of enhange, the "warrants" should be of 100 tons, as suggested in their directions of the form of warrants when they (Mesers. Connal) had come under an obligation, and would fulfill it. Another form of "warrant" was proposed by Mesers. Balley Brothers, and which they under those now in circulation. A committee was ultimately appointed, to consider and confer with Mesers. Connal upon the s

A highly important discovery in electric science has been made by Mr. Reid, of Gresham-house, City, by which the cost of telegraphic communication with distant stations will be be diminished to an extent almost beyond belief. The Great Atlantic Telegraph Company have constructed at Greenwich a monster battery for sending measages between England and America as soon as the cable shall have been laid. It consists of 40 pairs of platinised silver and zinc plates, and presents an immense surface to the influence of the exciting fluid, and has cost the company about 25001. It appears from a series of experiments made by Mr. Reid that by a single pair of plates the same amount of work may be performed, be having currents of electricity with his simple battery through 1250 miles of the transatiantic cable, which now lies at Birkenhead, the cost of the battery being 3d., which shows a wonderful contrast as compared with the company's apparatus. A battery of 504 plates had been in constant use for testing the cable, and the whole was found to be perfect, but Mr. Reid was desirous of making some further experiments to test the power of different batteries, and amongst others tried the effect of the mouth battery, with the result given. His assistant placed a plate of platina and one of sine in his mouth, each being three-slixteenths of an inch square, and upon the current produced thereby being allowed to pass through the 1250 miles of cable, the galvanometer was defected 5', and although the experiment was made many times, the same result was invariably obtained, which is a most unusual occurrence. There can be no don't that this discovery will cause electrical engineers to pursue an entirely novel train of thought in their future researches.

their future researches.

RAILWAY TRAFFIC.—The Traffic Returns of the Railways in the United Kingdom for the week ending June 27, amounted to 500,0301., and for the corresponding week of 1856 to 464,9101., showing an increase of 38,0201. The gross receipts of the eight railways having their termini in the metropolis amounted for the week ending as above to 210,7831.; and for the corresponding week of last year to 200,5911., showing an increase of 10,1911.

The increase on the Eastern Crunties amounted to 17231.; on the Great Northern to 5471.; on the Great Western to 36931.; on the London and North-Western to 57041.; and on the South-Eastern to 3401.; total, 12,5671. But from this must be deducted 771., the decrease on the London and Blackwall; 5791. on the London, Brighton, and South Coast; and 12010. on the London and South-Western: together 23761., leaving the increase as above 10,1911.

The receipts on the other lines in the United Kingdom amounted to 200,1471., and for the corresponding period of 1856 to 264,5181.; showing an increase of 25,8331. in the receipts of these lines, which added to that on the metropolitan lines makes the total increase 36,0261., as compared with the corresponding week of 1856.

Thu L. LANG ONE-WAY AND HURSON RIVER RALERORD.—A company has

total increase 36,030f., as compared with the corresponding week of 1856.

THE LAKE ONTARIO AND HUDSON RIVER RALROAD.—A company has been formed to carry out this line, now in the course of construction, which will unite the eastern end of Lake Ontario at Sackets Harbour with the Hudson River at the head of tide water at Albany and Troy, unling in a direct line the great thein of the lakes, or inland seas, with the Atlantic Ocean, at New York. The section of country traversed by this line is the north-eastern portion of the great slate of New York. The traversed by this line is the north-eastern portion of the great slate of New York. The traversed by this line is the north-eastern portion of the Adirondack, will be about 200 miles. Contracts have been entered into for its construction, including the rolling stock, rights of way, and stations, the whole amount not canceding 6000. per mile, which is less than the average cost of railroads in the United States. It is expected that the eastern division of 30 miles will be completed by the list of October nax; and the whole line in eighteen months. The line and its proposed branches will not only unite the great western lakes with the seaboard by a direct and advantageous routs, but will also bring the city of Montreal and the Grand Trunk Railway of Canada into easy communication with New York, thus materially shortening the distance over the line at present in use. There are many advantages connected with this company, to which we shall allude in our next.

Monster Blast.—On June 23, at the Penderyn Limestone Quarry, the property of Mr. Francis Crawshay, five tons of powder were exploded, and dislodged 140,000 tons (ascertained by actual measurement) of limestone, and rent and shook a further quantity now hanging, computed at 40,000 tons, asking a total of 200,000 tons. The quarry had a breast 45 yards high, and almost perpendicular: at the base a drift was driven, at the end of which a shaft was sunk, and a chamber out at the bottom for the reception of the powder; this was fired by a face 35 yards long, which took, from the time the match was applied, 32 minutes to Ignite the powder. The burning of the face in the quarry was timed by another at a safe distance, and as this burnt the anxiety became more and more intense. For the last few yards burning there was breathless silence until the explosion took place, when the cheering was immense. The excavations, &c., were made under the direction of Mr. Crawshay by his agents on the works, to whom great credit is due for their untiling exertions.

WEEKLY LIST OF NEW PATENTS.

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—W. ROBERTSON, Glasgos: Improvements in pistons, and apparatus connected therewith.—A
COUTANY, Paris: Forging and rolling iron wheels for railways.—J. CROSSIEN, St.
Helens, Lancashire: Machinery for grinding and sumouting glass, marble, and other
substances.—W. Hark, Brigg: Signal langs.—J. SUTCLIFFE, Manchester: Water,
yauges.—W. Hark, Rigg: Signal langs.—J. SUTCLIFFE, Manchester: Water,
yauges.—W. H. Waler, English of the Comparison of the Co GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS,-W. ROBBET

Manufacture of Iron.—Mr. Christopher Binks has patented some improvements in the manufacture of iron, the chief object of which appears to be the introduction of nitrogen into the iron, and the expulsion of the sulphur, phosphoras, silicon, &c. For this purpose, he impregnates the molten metal, by the pneumatic (Bessemer) process, with eyanogen compounds, which vary according to the iron treated and the quality required.

Mr. Henry Bessemer has patented the use of an ordinary puddling furnace, beyond which is a small chamber for metting the metal; behind this converting chamber is a third, communicating with the chimner, for treating the sign, formed in the puddling furnace, which is conveyed to this third chamber by a suitable channel. The chimney, for the indigent of the indigent of the converting the metal has been molten in one part, it falls into another part, which takes the place of a puddling furnace. The raw ore, as it comes from the mine, is calcined as usual, but with more coal, so that it may be more highly carbonised.

SECURING THE ENDS OF RAILS.—Mr. R. Butterworth, Chelsca, proposes to take out two semicircular pieces from the ends of the rails, between the heads, and to have a circular bolt to keep the rails in position. In case of the joint requiring to be made at a chair, the boil would not project beyond the rail, and would be kept in place by the wooden key; when the joint occurs elsewhere, the rails are fished with the ordinary fishes, the centre bolt faiting into the semicircular spaces.

Mr. T. F. Joyce, Birmingham, proposes the use of a casing to the rail and, so that one piece of metal acts as a fish for both sides of the rail, and the bolts keep the whole casing close to the under side of the rail.

RAILWAN SIGMALS.—Messes. Irlam and Phillips, Newton Heath, Manchester, propose an improvement in giving signals or airsums on railways, whereby where the propose an improvement in giving signals or airsums on railways.

Mr. T. F. Joyce, Birmingham, proposes the use of a casing to the rail and, so that one piece of metal acts as a sinh for both sides of the rail, and the boits keep the whole casing close to the under side of the rail.

RAILWAY SIONALS.—Messer, Irlam and Phillips, Newton Heath, Manshester, propose an improvement in giving signals or alarums on railways, whereby an advancing train is made to give notice to a following train when it has progressed a sertain distance; this is particularly beneficial when applied to tunnels, to prevent the entrance of one train before the exit of the preceding. The mahinery consists of a lever jointed to the rail, or to say fixture near the rail, which is depressed by the whose of the isocomotive engine or orariage, this lever glaced at the required distance, and to a rod or saft supported by a signal post, which is furnished with a lamp, semaphore, soil, or other agent to give the required signal or alarum. By this tance, and to a rod or shall supported by a signal post, which is furnished with a lamp, semaphore, soil, or other agent to give the required signal or alarum. By this continuous control of this plan may be semblored by a signal post, which is furnished with a lamp, semaphore, soil, or other agent to give the required signal or alarum. By this the station, and is considered by a signal post, and the station, and is considered by a signal post at the station, and the notice remains on at the signal and to the station, and that notice remains on at the signal until it is turned off by the man at the station, or by the action of the lever communicates the notice to the signal and to the station, and that notice remains on at the signal until it is turned off by the man at the station, or by the action of the train, if required.

MURIATIO AND OTHER ACIDS.—Mr. Joseph Jones, of Bolton-le-Moors, has invented some improvements in the manufacture of muriatic said, the frame work of the tire of muriatic said, the frame work of the tire of muriatic said other acids. In case of muri

the fireplaces or furnaces by means of a door affixed to the front of the sah pit.

PURIFICATION OF COAL.—Mr. de Bergevin, Sermon-lane, E.C., proposes to deprive coal of its defective qualities by subjecting it to certain chemical preparation, which absorbs and neutralise these defects, whereby, in burning, the coal will emit but little smoke vapour, and will not form with intense heat, clinker or cake together, and will be applied be to the furnaces of locomovires and other bolicra, as well as to she domestic and manufacturing purposes generally. In the particular quality of the coal to be operated on, and according to the uses to which it is to be applied, be immerses it in a bath of the following compositions:—No. 1. Sulphuret of calcium, anhydrate, sholride, or other forms of lime, petrolum or coal tar, sulphure of connitrate of potasse, or other seats, sulphuric acid dissolved or heid in water.—No. 2. The same as No. 1, with bioarbonate of soda added.—No. 3. The same as No. 1 and 2, with the addition of asbestos.—No. 4. The same as No. 1, 2, and 3, with the sulphate of sine, muriate of magnesia, and the double salts of manganess and sine.

PREVENTION OF EXPLOSIONS IN COAL MINES.—Mr. J. Jones, Falconstreet, Bolton-le-Moors, proposes the following:—Introduce into a coal mine a basin containing muriatic acid, which, when the lid is raised readily gasifies, as gas is the pseuliar natural condition of muriatic acid; on escaping from the basin it quickly combines with the hydrogen and nitrogen of the mine, for which muriatic acid has the greatest affinity, and beautiful needle-like crystals of muriate of ammonia are deposited on the sides and surface of the mine, the effect is striking, invisible gases readily producing a solid substance. For agreeableness the lid may be partially raised during the day. For greater security a wire is introduced through the mine, communicating with an electro-galvanic battery on the bank of the mine, and very evening, when the miners have left, a current of electricity is passed through the mine, which causes the gases more easily and quickly to combine, and by prohing the mine ensures no aggregation of fire-damp beyond that accumulated in one day. Muristic acid costs about 1d, per lb. in carboys, and is offered at 2l. 10s. per ton. The muriate of ammonia, or sal ammoniae precipitated, sells for about three times that amount. A little lime will abour b the choke damp. There are in mines, properly speaking, three kinds of damp—fire damp, which is bydrogen; choke damp, carbonic acid; and ni-PREVENTION OF EXPLOSIONS IN COAL MINES.—Mr. J. Jones, Falco te damp, carbonic acid; and ni-niners careless and neglectful of trogen, a sleepy, stupifying gas, which renders the mi rules, working, it might almost be said, by instinct.

Whought-iron Railway Carriages. In the Journal of Oct. 14, 1854, we published an illustrated description of Dr. La Mothe's invention for preventing the destruction of railway carriages, in case of collision or similar accident, and it appears the invention is now about to be practically carried out in New Jersey, U.S., and no doubt the Eaglish may then do something towards introducing a lighter and anger description of carriage. It will be recollected that the carriage was to consist of wrought-iron, woven together like a basket, and riveted at each crossing, so that in the event of an accident occurring, although the carriage might be thrown out of shape, it could not be amashed, as the carriages at present in see would be, and the chances of the passengers being injured would be considerably diminished.

IMPROVED MOVING BATTERIES, DISPENSING WITH THE POLITICAL NECESSITY FOR A STANDING ARMY.—Mr. JOSEPH JONES, of Bolton-le-Moors, to accomplish
this object, proposes by the first mode to employ a machine attached to an ordinary
locomotive on rails or otherwise, and carrying a number of rifles or cannons, arranged
to be projected at pleasure. To each of the cannons is a branch wire, communicating
with a galvanic battery. The ball is placed in the cannon, and hermetically scaled
with partially damp cotton; when a stroke or shock of electricity is applied, the
ball is projected. In case of the engine being electro-locomotive, the same electric
field will be convenient. In case of rifles, each man may have a pocket battery—now
in use. The electric fluid causes the air to expand (our atmosphere has more electricity in proportion to height): each cannon is lined with a non-conductor, of gutta
perphs. Another cannon is—oxyhydrogen, the explosive gas in mines: the cannon
is, as before, lined in or outside with gutta percha (a non-conductor); a sponge
suspending water is first put into the cannon, then the ball, and hermetically scaled
with cotton, when a little vitriol (a few drops) is introduced through the touch-hole,
and the ball is ejected. By a partioular device the touch-hole is scaled until the ball is
ejected. The engine and batteries are defended by alternate layers of gutta percha,
iron, and cotton, covering the whole, and also the fronts of the wheels. IMPROVED MOVING BATTERIES, DISPENSING WITH THE POLITICAL NECES

INPROVED MAGNET.—Mr. Joseph Jones, of Bolton-le-Moors, has invented "an improved magnes or loadstone for the person, by which an extraordinary power and permanency of influence is obtained for hypothnists, somnolists, and physcheists." This instrument is in the chape of a watch; the interior is a number of powerful magnets, or iron-dust made into a pulp with oil, &c., dried before there, and then magnetised in the ordinary manner; a wire is placed to each of the poles, and covered with a plate of aluminium or other perfect metal, the wires still protrading; over the plate of aluminium or other perfect metal, the wires of the form of a parallelogram; over these is a ball of gutta percha, or other non conductor, allowing entrances for the wires, which are rolled round the ball add 1854raw; the whole is enclosed in another ball of gutta percha, and the wires are souveyed: the "poles of the body" (a magnetic phenomenon)—the neck and addomen; the in fluence is thus equalised, and health is an additional result, as well as correctness of hypothism, for it is not the mind alone which is hypothism. The regreter the limits of wire between the two balls the greater the power; the plates of iron and aluminium alone produce electro magnetic field with the moisture of the same and adminima mione produce electro magnetic field with the moisture of the field. The extraordinary power of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two body, without the assistance of the inner magnet, as well as gest the sum of two lives and the proper of the inner ma

BRIDGES AND GIRDERS.—Parts 15 and 16 of Mr. W. Humber's Practical Treatise on Cast and Wrought-iron Bridges and Girders, as applied to railway and other structures, contains, besides descriptive letter-press, plans of works on the Strood and Maidatone Railway, Chelsea Bridge, Great Northern Railway, Cannock Branch, South Staffordshire Railway, and Sursuttee Bridge, East Indian Railway. Mr. Nicholas Wood and Mr. Woodhouse, accompanied by Mr. Robert Stephenson, M.P., and Mr. Joseph Looke, M.P., have hadan interview with Earl Graville and Sir George Grey, on the establishment of a mining college and schools for the education of the practical managers of coal mines.

Mr. Beattie, the locomotive superintendent of the South-Western Railway, obtained a verdict against the Brighton Railway, on Saturday, for the infringement of his patent for a lathe used in the preparation of railway wheels, with 124f. lamages. We believe this a beginning of proceedings to be taken against other railway companies for like infringements.—Herapath's Journal.

way companies for like infringements.—Heraputh's Journal.

AN IMMENSE STEAM-ENGINE.—A correspondent, who has been visiting the iron and coal regions of Pennsylvania, writes of an immense steam-engine at Swanton, which is used simply to create a draft for the iron furnaces. It is of 1700-horse power, and fills a good-sized three-story brick building. The writer says it is the most magnificent steam-engine in the world, and that a mate of like dimensions is now building.—Liverpool Mercury.

The National Discount Company, whose shares have lately been depressed, owing to exaggerated rumours of losses, have announced their half-yearly meeting for the 23d inst. The accounts, it is said, will show a balance of profit after writing off all bad drbts.—Times.

PRELIMINARY NOTICE.

WR. HENRY WILLS WILL SHORTLY SELL, BY PUBLIC AUCTION, the WHOLE of the IVYBRIDGE MINE MATERIALS, MACHINERY, &c., comprising—

1 50 in. PUMPING ENGINE, 10 ft. stroke, 2 boilers 10 tons each.
1 24 in. horizontal ditto, 1 boiler 10 tons.
In Piwork,—A 32 fms. plunger-lift.
16 fms. each of 14 in., 11 in., and 9 in. lifts.
20 rms. 12 in. ditto.
Capstan and shears.
The 50 in. engine is beautifully fitted, made of the very best materials, has all the modern improvements, strong in all her parts, and has only worked a short time.
The house is fitted fire-proof, with slate floors, iron girders and stairs.
Both engines are worthy of the attention of mining or water companies, no expense having been spared in their manufacture to render them efficient machines.
Drawings of the same may be seen at the office of the auctioneer, to whom application should be made for further information at his offices, No. 17%, George-street, To be published in about Towns of the same of the same in the office of the auctioneer, to whom application should be made for further information at his offices, No. 17%, George-street,

Plymouth.

To be published in about Twenty Monthly Parts, in imperial 4to., at 2s. 6d. each, a PRACTICAL TREATISE ON CAST AND WROUGHT-IRON BRIDGES AND GIRDERS, as applied to Railway Structures, and to Buildings generally, with Numerous Examples, drawn to a large scale, selected from the public works of the most eminent engineers.

By W. HUNDER, Assoc. Inst. C. E.

Each Part will contain Four Plates, with Letter-press, and will include Elevations, Sections, and Details, drawn to a large scale, of Cast-Iron, Malleable Iron, and Compound Iron Girder Bridges, &c., which have been actually constructed, giving one or more specimens of the works of the most eminent civil engineers of the present day. London: E. and F. N. Spon, 16, Bucklersbury; Aylott and Co., Paternoster-row, grow, R. Griffin and Co.; Manchester, Thomson; Newsatie, F. and W. Dodsworth; New York, D. Appleton and Co.; Nottingham, Wheatley; Philadelphia, J. W. Moore; Paris, Fowler; and all booksellers.

THE PRACTICAL MECHANICS' JOURNAL (Part 112, July, 1857, price is.) contains—Two large Copper-plate Engravings of Messrs. Cranstoun, Young, and Lovell's Continous Steam Boiling Apparatus, and Messrs. Richardson's Railway Turn-Table, 40 Wood Engravings, and 28 quarto pages of Letterpress, with Original Articles on the Continuous Steam Boiler; the Royal Institution; Mechanical Notes from America; Morrison's Steam Hammer; Society of Arts' Exhibition (second notice); Bache's Lamp Shade; Supplying Water to Boilers; Somerville's Weaving; Sinclair's Grain Dryer; Sunner's Piyers; Barclay's Manufacture of Iron; Law and Inglis' Moulding; Dixey's Opera Glasses; Rennie's Steam-Engines; Johnson's Projectiles; Perry's Lubricating Compounds; Robertson's Pistons; Kinzhourgh's Mouldis; Bichardson's Turn-Table; Cooke's Poultry Fen; Gadsby's Truss; Taylor's Sash Fastener; Reviews of New Books; Lists of Patents; Monthly Scientific Notes; Correspondence; Designs Registered, &c.
Longman and Co., Paternoster-row; Editor's Offices (Offices for Patents), No. 47, Lincoin's Inn-fields.

Lincoln's Inn-fields.

POPULAR SCIENCE.

THE MECHANICS' MAGAZINE, which was established in 1823, and has now reached the completion of its 66th volume, is the OLDEST and best known MAGAZINE of POPULAR SCIENCE in the world. At its commencement, it was noticed eulogistically by Lord Brougham, and in the Report of a Parliamentary Committee; and, during the last three months, it has been favourably mentioned, and quoted from, in the House of Commons, by the First Lord of the Admiratly, and spoken of with the utmost praise by Sir Robert Pecl, at the Blackburn Mechanics' Institution. In addition to these testimonials, it has received very laudatory notices from the Press in general. With the new volume, commencing Saturday, the 4th July, renewed efforts are made to render this publication worthy of its present extended patronage, and of the support of a still larger circle of professional and amateur men of science.

It should be stated that the articles which appear in the Mechanics' Magazine, although strictly scientific in the main, are kept as free from technicalities as possible. It is owing to this circumstance that it has from the first circulated extensively, not only among engineers, mathematicians, and other such persons, but also among officers of the army, navy, and civil service, and private gentlemen of scientific tastes. The Mechanics' Magazine is published in Weekly Numbers, price 2s. It is sent anywhere in the Unitee Kingdom for an Annual Subaciption of 17s. 4d.

Robert Revenue Science and private gentlemen of scientific tastes. The Mechanics' Magazine and Patent Office, No. 166, Fleet-street, London.

On the 1st of every month is published and Content of the Co

THE APTIZAN; A MONTHLY JOURNAL OF THE MECHANICAL ABTS. Illustrated by large Plate Engravings and Woodcuts of Engines and Machinery actually constructed, and by the most celebrated firms in the kingdom, all accurately drawn to scale.

The ARTIZAN has a large and widely-extended circulation amongst the following leading classes:—vis., Steam Navigation Companies; Ship-builders and Owners; Railway Companies, Eugineers, and Contractors; Gas and Water Companies; Civil and Mechanical Engineers; Ironmasters and Founders; Architects and Builders; Officers of the Steam Navy; Machine and Tool Makers; Boiler Makers and Brass Founders, Agricultural and Mechanical Implement Makers; Manufacturers, Agriulturalists, and others employing steam-power; Proprietors of Chemical Works, &c. Price Is. each Number, free per post; or in Yearly Volumes, price 14s. each. A list of contents free per post, on application to the publisher, Maywaw Soul, No. 3, Agar-street, Strand, London

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft)

SOLD at LOW RATES. The BEST PRICE GIVEN for LEAD ASHES, &c.,
OLD LEAD,—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

PRELEIGH CONSOLIDATED MINES.—NOTICE TO SCRIP HOLDERS.—In order that every scripholder may avail himself of the privilege of taking an interest in the New Treleigh Cossols Mines, to be conducted upon
the "Cost-Book Principle," the Committee have been induced to EXTEND the PEBIOD for RECEIVING APPLICATIONS FOR SHARES, and paying the call thereon
of 2s. 6d, per share, until Saturday, the lith inst. Upwards of 4500 shares have already been taken up, which would have been greatly increased but for the difficulty
of ascertaining the bolders of the scrip57, Old Broad-street, July 1, 1857.

CREAT CRINNIS COPPER MINING COMPANY.

The shareholders of this company are respectfully informed that the AD JOURNED GENERAL MEETING will be HELD at my office, as below, on Thurs day, the 9th day of July next, at One o'clock precisely.

27, Austinfriars, London, E.C., June 27, 1837.

REAT CRINNIS COPPER MINING COMPANY.—
Notice is hereby given, that, by order of the Committee of Management, a Call of ONE SHILLING per share on the NEW SHARES of this company is now made, payable at the offices, 27, Austinfriars, on Thursday, the 16th inst. London, July 1, 1857.

By order, WILLIAM CHARLES, Sec.

NEW POLGOOTH AND WOODCLOSE MINE.—
A MEETING of the shareholders will be HELD at 58, Old Broad-street, on Tuesday, the 14th day of July inst, at Three o'clock, for the purpose of passing resolutions for abandoning the adventure, and winding-up the affairs of the company. July 2, 1857.

WM. C. FOULKES, Sec.

THE TREVALGA SLATE COMPANY.—Notice is hereby given that the ORDINARY GENERAL MEETING of the shareholders in this company will be HELD at the office of the company, 11, New Broad-street, London, or wedn sday next, the 8th day of July, 1857, at Twelve o'clock noon precisely.

W. L. WEBB. Sec.

Notice is hereby given, that an EXTRAORDINARY CENERAL MEETING

Notice is hereby given, that an EXTRAORDINARY CENERAL MEETING

The shareholders of this company will be HELD at the offices of the company,
Church-passage, Guildhall, London, on Wednesday, the 8th day of July inst., at
welve o'clock precisely, for the purpose of confirming a Resolution passed at an
xtraordinary General Meeting of shareholders, held at the company's offices on
useday, the 2d day of June last, extending the powers given to the directors by the
solution confirmed on the 11th day of March ast (authorising them to raise the
um of £10,000 on debentures at 5 per cent.)

By order,
HENRY TARR, Sec.

Offices, 5, Church-passage, Guildhall, London, June 29, 1837.

CONSOLIDATED COPPER MINES OF COBRE.—Notice is bereby given, that a HALF-YEARLY GENERAL MEETING of the proprietors of this association will be HELD, in conformity with the Deed of Settlement, at the offices of the company, Gresham House, Old Broad-street, on Tuesday, the 21st day of July inst., at One o'clock precisely.

WALTER SHAIRP,
GEORGE WHITMORE,
Gresham House, Old Broad-street, July 2, 1857.

OYAL SANTIAGO MINING COMPANY.—The Directors hereby give notice, that the ANNUAL GENERAL MEETING of the shareholder will be HELD at the office of the company on Wednesday, the 8th day of July next at Two o'clock precisely, when the directors will make their report.

38, Broad-street-buildings, June 16, 1857.

CRAND DUCHY OF BADEN CHARTERED MINES.—
Notice is hereby given, that the ANNUAL GENERAL MEETING of it
shareholders in the Grand Duchy of Badon Chartered Native Silver and Silver-Les
Mines will be HELD at the offices of the company, 57, Threadneedle-street, Londo
on Friday, the 31st day of July inst., at One o'clock precisely.

G. D. O'GOWAN, Chairman.

NEW LINARES MINING AND SMELTING COMPANY.
ALL PERSONS having CLAIMS AGAINST the above company are request
to FORWARD same to me immediately, in order that they may be examined, an
it correct, discharged.
2, Crown-court, Threadneedle-street, London, June 23, 1857.

UNITED MEXICAN MINING ASSOCIATION.—Notice is threshy given, that the HALF-YEARLY GENERAL MEETING of proprietors of this association will be HELD at the office of the company, No. 5, Finsbury circus, on Wednesday, the 29th day of July inst., at One o'clock precisely, when the election of three directors and one auditor will take place.

Directors going out by rotation..... James Mackillop, Esq., and Joseph Tasker, Esq. Auditor going out by rotation John Hibbert, Esq. And who, being eligible thereto, are candidates for re-election.

date for the vacancy in the John Phillips, Esq., Queen-st.-place, Chespel

The Transfer-books will be closed on the evening of the 12th, and re-opened on the thinst.

By order of a Court of Directors.

ARTHUR WESTMACOTT, Sec. 1857. ARTHUR WESTMACOTT, Sec.

THE LONDON AND VIRGINIA GOLD AND COPPER MINING COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the stockholders of this company will be HELD at the London Tavern, Bishopsgate-street, in the City of London, on Saturday, the let day of August next, at One o'clock in the afternoon (immediately after the Ordinary General Meeting, to be held on that day), for the purpose of decreasing the capital stock of the company, by reducing the amount of each share, and for transacting such other business with reference to the alteration of the capital of the company as shall by such meeting be desemed expedient. By order of the Board of Directors, 54, Lime-street, London, June 24, 1857.

JOHN ANDERSON, Sec.

THE SCOTTISH AUSTRALIAN INVESTMENT COMPANY (LIMITED).—Notice is hereby given, that the HALF-YEARLY GENERAL MEETING of the shareholders of the Scottish Australian Investment Company (Limited) will be HELD at the London Tavern, Bishopagate-street, London, on Friday, the 24th day of July inst., at One o'clock precisely.

The Transfer-books of the company will be closed on Tuesday, the 14th inst., preparatory to the meeting and payment of the dividend, and will remain so closed until after the 24th inst.

By order of the Directors,
24, Gresham-street, London, July 2, 1857.

C. GRAINGER, Sec.

THE NORTH BRITISH AUSTRALASIAN COMPANY.

THE NORTH BRITISH AUSTRALASIAN COMPANY.—
Notice is hereby given, that a SPECIAL GENERAL MEETING of the share-holders of the North British Australasian Company will be HELD at the London Tavern, Bishopsgate-street, London, om Monday, the 18th day of July inst, at One o'clock in the afternoon, for the purpose of sanctioning and finally determining on the motion, or series of resolutions, for Registering the Company with Limited Lisability under the Joint-Stock Companies Act, 1856, and for altering the present Contract of Co-partnery, so as to form regulations of the company under the above Act; which motion, or series of resolutions, was made and laid upon the table at the Adjourned Annual General Meeting, held at the London Tavern on the 29th day of June lat.

By order of the Committee,

By order of the Committee,

AVID BUDGE, Sec.

6, Queen-street-place, London, E.C., July 2, 1857.

TO THE SHAREHOLDERS OF THE NORTH BRITISH
AUSTRALASIAN COMPANY.
GENTLEMEN.—The Committee of Investigation beg to inform you that their Report, as well as the Report and Accounts of Mr. Chatteris, were received and adopted by the meeting of shareholders, and that the following is the result of the election for directors for the ensuing year:

Robert Paigrave.

52,422 votes. Member of Committee of Investigation.

George Hay Donaldson.

51,697

David Price.

51,441

Member of Committee of Investigation.

91,534

Member of Committee of Investigation.

91,537

Member of Committee of Investigation.

91,537

Member of Committee of Investigation.

91,537

Samuel Ellis.

40,753

London, June 30, 1857.

EUSTACE ANDERSON, Chairman.

THE GREAT BARRIER LAND, HARBOUR, AND MINING COMPANY (LIMITED).—In 10,000 shares, of £5 each.

Deposit, 10s. per share at the time of application, and 20s. per share upon allotment. Prospectuses can be obtained at the effice, No. 117, Bishopsgate-street Within, London.

J. H. MÜRCHISON, Sec.

RISH PEAT COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of this corporation will be HELD at the office of the company, 10, Old Jewry Chambers, on Tuesday, the 7th July, at One o'clock precisely, to adopt such steps as may be deemed expedient for carrying on or winding-up the company.

By order of the Board,

June 29, 1857.

WM. JEBSON, Sec.

WM. JEBSON, Sec.

TREDINNICK'S LIST OF PRICES OF BRITISH MINES,
RAILWAYS, BANKS, &c., published weekly, and forwarded by post at a
charge of £1 is. annually. Fluctuations in market value faithfully recorded, with
Comments on the progress of Dividend and sound Progressive Mines.

Gresham House, Old Broad-street, London.

UNITED STATES OF AMERICA.—DUPEE, PERKINS, and SAYLES, BOSTON, MASSACHUSETTS, BROKERS for he PURCHASE and SALE of STATE, CITY, and RAILROAD SECURITIES, MANUFACTURING HARM SHARES, give particular attention to the MINING COMPANIES OF BANK SHARES, give particular attention to the MINING COMPANIES E SUPERIOR, and furnish reliable information concerning them. [Duren, Panines, and Savine refer to the Editor of the Mining Journal.]

Sa the Court of Vice-Warden of the Stanuaries. - Stanuaries of Cornwall, IN THE CAUSE OF HARVEY AND OTHERS v. PRANCIS.

IN THE CAUSE OF HARVEY AND OTHERS v. FRANCIS.

NOTICE IS HEREBY GIVEN, that, pursuant to an ORDER, or DECREE, made in the above-mentioned Cause, and bearing date the 2d day of March last, a PUBLIC AUCTION will be HELD at WEST WHEAL BOLTON MINE, in the parish of Ludgran, within the said Stannaries, on Monday, the 6th day of July next, at Ten o'clock at noon, for SELLING, either together or in lots, the under-mentioned MINING MACHINERY, MATERIALS, and OTHER EFFECTS:—namely, One 30 in. cylinder ENGINE; 2 boilers, 22 tons; 1 shears, 60 ft.; 16 fms. 12 in. rods; 14 fms. 17 in. pumps; H.-piece; windbores; 12 fms. 7 in. horse-lift; 7 in. plunger-pole; horse-whim; pulleys and stand; 100 fms. whim-chain; whim and 2 kibbles; 11 fms. iron stave ladders; boiler rod; a quantity of bricks; about 14 tons of coal; several tons of new and old iron; 3 kibbles; belows; 1 anvil and vice; 1 series stock, taps, and plates; smiths and minere' tools; 2 beams and scales; a large quantity of new and old timber; grinding-stone; carpenters' sheds; a quantity of lime; and a variety of other materials and effects.

For viewing the same, application may be made to Mr. John Jamss, the officer in possession on the mine; and for further particulars, to Messre. Honox and Hockin, plaintiffs' colicitors, Truro.—Dated Registrar's Office, Truro, June 24, 1857.

FIRST. CLASS STEAM. FNGINES AND MINING MATERIALS. FOR SALE.

FIRST-CLASS STEAM-ENGINES AND MINING MATERIALS FOR SALE.

de.; a very large quantity or principles of the private of harness.

Also, all the account-house furniture, consisting of timeplece, cooking apparatus; large dinner, kichen, and other tables; arm and other chairs; turn-up bedstead; knives and forks; glass and earthenware; culinary utensils, de.

The engines are all made on the newest and most improved principle, and have done but little work; were made by the first makers, and are machines which, for power, economy, and condition, are seldom met with.

The mine being situate on the banks of the River Tamar, near Plymouth, and continguous to a landing place, offers numual facilities for the removal to any place required. The engines are open for sale by private contract, by applying to William West, Eag., St. Blazey, Cornwall, who will be happy to give every information; and should any of them be sold privately, due notice will be given.

The auctioneer respectfully invites an inspection of this valuable property, by application to the agent, on the mine. As it is desirable to sell the whole in one day, the sale is intended to commence at Ten o'clock precisely.

Refreshments will be duly provided.—St. Austell, Cornwall, June 22, 1857.

VALUABLE MINE AND MATERIALS AT WHEAL PENHALE, ADJOINING GREAT WHEAL VOR, IN BREAGE.

GREAT WHEAL VOR, IN BREAGE.

R. EDWARDS WILL SUBMIT FOR SALE, BY AUCTION
on Tuesday, the 14th day of July next, at Eleven chalcale, by AUCTION
classiv, at WHEAL BOTH AND AUCTION on Tuesday, the 14th day of July next, at Eleven o'clock in the forenoon precisely, at WHEAL PENHALE TIN AND COPPER MINE, near to Great Whea Vor, in the parish of Breage, either altogether in One Lot, or in parcels in the usas manner, as may be agreed on at the time of sale, the entire SETT of this MINE, o which about 15 years are unexpired, together with the ENGINE and OTHER MACHINERY and MATERIALS thereon, comprising a 38 in. cylinder ENGINE (DOUBLE), and boiler of 10 tons, with fly—wheel, wrought-iron shaft, sweep rod, axle, and 16-head stamps attached, and all complete and nearly new.

in. H and top doorpiece.
in. H-piece.
in. pole, stuffing-box, &c.
in. pump.
in. windbore.

8 in. working. 8 in. stuffing-box, &c. 8 in. pole and stuffing-box.

10 7 in, pumps.
2 7 in, windbores and kneepieces.
7 in, pole-case, stuffing-box, &c.
7 in, plunger-pole.
7 in. H and top doorpiece.
2 6 in, working-barrels.
6 in, doorpiece.
6 in, plunger-pole.
6 in, plunger-pole.
Cleak doorpiece.

S in. studing-box, &c.

S in. pole and studing-box

S in. pole and studing-box

S in. pole and studing-box

S in. studing-box

S in. round iron rods, with stands and shieves, complete; 2 halance-box, blocks, and brasses; 2 travelling bobs and connection rods, complete; L-bob; capstan and shears, complete; large crab winch; 2 horse-whims; whim chains and kibbles; bucket rods and joints; shieve blocks and chains; 7 windlasses; 200 ft. lunders; 60 fms. ladders; miners' barrows; 2 smiths' bellows, anvits, vice, and smiths and miners' tools; corew stock, taps and plates; 4 stamps' buddles; 8 frames and covers; dressing-doors and streps; 5 tin kieves; tin cheets, &c.; carpenters and contents; and properties of the standard properties. Also, candry tinatoff, halvans, leavings, &c.

The Penhale Mine is situate on the north-west of, and adjoining to, the Great Wheal Yor Mines, and in the midat of a productive tin country, and offers a favourable opportunity to persons desirous of entering on a speculation of the kind.

For viewing same and other particulars, apply to Capt. Brown, the resident agent. An early attendance is particularly requested.—Dated June 30, 1857.

STEAM-ENGINES AND MINING MATERIALS FOR SALE.

R. BROWNE AND MR. CLYMA WILL SUBMIT TO SALE, BPOWNE AND MR. CLYMA WILL SUBMIT TO SALE, O'clock in the forencon, at GREAT POLGOOTH MINE, near St. Austell, Cornwall, the remaining portion of the valuable MINING MACHINERY, MATERIALS, and O'HER EFFECT'S thereon:—'tie., One 35 in. cylinder ENGINE, used for stamping, 10 ft. stroke, with 2 boilers 20 tons, 106 heads, from stamps sales, frames and connections, complete; 12 in. cylinder winding engine, with 7 tons boiler, 1 ron cage. &c.; 1 large shears, pulleys, and brassee; 1 shaft ditto, with saddless and brasses; 2 S-armed capstans, with oak axies and iron sockets; 2 bainsnes-bobs; 130 fms. 16 is. capstan-rope; 44 9 ft. 20 in. pumps; 3 9 ft. 17 in. ditto; 1 6 ft. 7 in. ditto; 1 12 ft. 20 in. pumps; 3 9 ft. 17 in. ditto; 1 6 ft. 7 in. ditto; 1 12 ft. 20 in. pumps; 3 9 ft. 17 in. ditto; 1 15 in. ditto; 1 12 ft. 20 in. ditto; 1 1 ft. 19 in. plunger-pole; 1 10 ft. 19 in. ditto; 1 10 ft. 19 in. plunger-pole; 1 ft. 16 in. 9 in. ditto; 1 10 ft. 10 in. ditto; 10 ft. 10 in. ditto; 1 10 ft. 10 in. ditto; 10 ft. 10 in.

SPRINGFIELD AND BLACKCROFT COLLIERIES, AND FREEHOLD DWELLING HOUSES, LAND, AND HEREDITAMENTS, AT HINDLEY AND WESTLEIGH, NEAR LEIGH, LANCASHIRE.

SPRINGFIELD AND BLACKCROFT COLLIERIES, AND PREEHOLD DWELLING HOUSES, LAND, AND HEREDITAMENTS.

AT HINDLEY AND WESTLEIGH, NEAR LEIGH, LANCASHIRE.

MR. WILLIAM PEARSON WILL SELL, BY AUCTION, at the Railway Hotels, at Leigh, on Thursday, the 30th day of July, 1837, at Five O'clock in the afternoon, the above-mentioned valuable COLLIERIES and PREE-HOLD PROPERTY.

The SPRINGFIELD COLLIERY is situate at Hindley, and comprises the Five Peet Coal Mine, under about 10 acres of land; and the Seven Peet Mine, under about 10 acres of land; the Yard Coal Mine, under about 10 acres of land; the Yard Coal Mine, under about 10 acres of land; the Yard Coal Mine, under about 10 acres of land; the Four Peet Coal Mine, under about 10 acres of land; the Sur help of the William of the Silver Peet Coal Mine, and the Seven Peet Coal Mine, under about 10 acres of land; the Sur help of the William of the Silver Peet Coal Mine, under about 10 acres of land; the Sur help of the William of the Silver Peet Coal Mine, under about 10 acres of land; the Silver Peet Coal Mine, and the Seven Peet Coal Mine, under about 25 acres of the Addition to the same mines, the purchaser may have the option of taking, on moderate terms, about 50 acres of other adjoining Six Peet Coal Mine.

The FEE-SIMPLE and INHERITANCE of and in all those TEN COTTAGES or DWELLING HOUSES, STABLE, and OTHER ERECTIONS, with the garden or orchard, and vacant ground, at Hindley Green, near Leigh, aforesaid, containing about 5170 square yards. The cottages are in the occupation of John Wilcock and others, as tenants, at the yearly renot of £52; the garden, or croft, and small building used as an office, are in the bands of the owners.

The PEE-SIMPLE and INHERITANCE of and in all that MESSUAGE or PARM called "PARMS"," with the dwelling-houses or cottages, barn, stable, shippen, outbuildings, gardens, and fields, or closes of fand thereunto belonging, stuate at Pickley Green, near Leigh, and containing, including the sites of the buildings, 8.a. 3.a. 30 p., now in the occupation

TO BE DISPOSED OF, ONE-SIXTEENTH of a COLLIERY or more, in full work. A small outley to complete the state of more, is full work. A small outlay to complete the sinking of a new pit, now down 58 yards, and what money is required will be to sink the new pit to the best coal, when good profits will be made, there being a ready sale for the coal in the neighbourhood. There are a new steam-engine and pumps, with drawing apparatus, complete, which will answer the purpose of working the mine for some years to come.—Applications, personally or by letter, to Taouas Hircas, Little Minsterley; or to Francis Gell, Coydway, Montgomeryshire.

IN CHANCERY.

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, 18ss and 1849, and of the CWMDYLE ROCK AND GREEN LAKE COPPER

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, Instand 1849, and of the CWMDYLE ROCK AND GREEN LAKE COPPER MINING COMPANY.

TO BE SOLD, BY AUCTION, on the 14th July, 1867, at Twelve o'clock at noon precisely, by direction of the Vice-Chancellor, Sir WILLIAM PAGE WOOD, the Judge to whose Court the winding-up of this company is attached unless the same shall be disposed of by private contract on or before the 5th day of July next, up to which day the vendor is open to receive tenders for the same), All the valuable MACHINERY, PLANY, and MATERIALS, of that important mineral mining property lately worked by the CWMDYLE ROCK AND GREEN LAKE COPPER MINING COMPANY, situate on the Snowdon Mountain, in the parish of Bedd. gelert, in the county of Carnarvon, subject to certain conditions of eale, copins of which may be had on application to the official manager, or his solicitor. For further particulars, apply to Mr. Dzw, the auctioneer, British Hotel, Barger or to Mr. Romen Palman Hambus, the Official Manager, S. Serie-street, Lineair, Ins., London, by whom proposals in writing will be received up to Twelve o'clock at moon on the 8th day of July, 1857, when, if the highest offer be approved by the and Judge, the person making such offer will be declared the parchaser.

RICHARD CATTARNS, 33, Mark-lane, London, Solicitor.

RICHARD CATTARNS, 33, Mark-lass, London, Solisiter.

NOTICE OF SALE.—The extensive works known as the LOWCA IRON and ENGINEERING WORKS, situate at Lowca, in the parish of flarrington, about one mile from Whitehaven, in the sounty of Camberland, on the line of railway from Whitehaven to Carlisle, erected on a piece of land containing Aa. 2m., or thereabouts, together with the FOUNDRIES, OAS WORKS, STEAK, ENGINE, WEIGHING MACHINE, extensive ERECTING, SMITHS, FITTING, and other SHOPS; ST'NE ROOMS, STABLES, and other BUILDINGS; and the STOCK IN TRADE, PLANT, and EFFECTS, of and belonging to the same work, and also a FREEMOLD DWELLING-HOUSE and several PIECES of LAND may to the same works, WILL BE OFFERED FOR SALE, BY PUBLIC AUCTION, ander an order of the Court of Chancery, made in certain cases, Lav. v. Tulk, sat Tulk v. Lux, in the course of the ensuing month.

The Lowca fromworks are now in full operation, and the machinery is worked by a steam-engine. There is a siding from the said line of railway running into the receiving shop of the works.

Printed particulars and conditions of sale are being prepared, and will shortly be ready; and in the meantime every information may be obtained on application; Mr. WILLIAM LEY, solicitor, 44, Lincoln's Inn-field's London; Mr. TROS. JOHNFOY, collicitor, S. Raymond's-buildings, Gray's Inn. London; or Om fr. J. POPILLETHWAIL, or MESST.

WILLIAM LEY, 44, Lincoln's Inn-field's London's Inn-field's Lo

or Messry. Brock and BRLDER, soliestors, Whitehaven; or on the premises.

Dated, June, 1857.

WILLIAM LEY, 44, Lincoin's Inn-fields, London.

WHEATLEY KIRK'S IMPROVED PORTABLE UNITED
ENGINE AND BOILER.—To parties requiring engine power, and win
wish to be able to take it with them when their lease or trenancy spires, contrastor,
manufacturers, miners, farmers, &c., Wheatley Kirk recommends his NEW and
IMPROVED PORTABLE UNITED ENGINE AND BOILER, which can be removed
intact with the greatest facility, and not a particle of brickwork required. These
united engines and boilers are being made from 2 to 20-horse power. Drawing,
tracings, and specifications sent to any part of the United Kingdom or Continent.

Also, IN STOCK, a variety of Engineers' Tools, Lathes, Drilling Machines, Soc,
ing, Planing, Panching, and Shearing ditto, Serowing ditto, Nut Cutting ditto,
Stocks, Taps, Dies. Horizontal and Vertical Engines, from 2 to 100-horse power.
WERATLEY KIRK, Engineer, &c., Contral Offices, Cross-street, Manchester; Work
and Stores, the Wellington Works, Bonded Wharf, Chappel-street, Salford.—N.B. Austioneer and Valuer of every description of Mill Work, Plant, and Machinery.

WHEAL HENRY LEAD MINE (LIMITED).

PARISH OF WYTHBURN, CROSSWATTE, CUMBERLAND.

A FEW SHARES in this truly valuable MINE TO BE DISPOSED OF. Bich lead ore is now being raised, experienced miners engaged, and first-rate talent employed, which will prove this property not to be surpassed by any lead mine in England. The royality has been greatly reduced by Sir Henry Yone, in order to have the property worked with a Cornish spirit. Great results and speedy dividends may be relied on. To visw the specimens of ore, applications to be made to Mr. Ww. Cornsor, 23, Chappi-atreet, Braido d; or Mr. John Gledentt, the secretary, 7, South Parada, Leeds. No share can be obtained unless applied for immediately.

Leeds. No share can be obtained unless applied for immediately.

IRELAND.—FOR SALE, THE ROSTRILLAN SILEX AND IRON ORE MINES.—The LESSEE of this very valuable property is desiron to SELL HIS INTEREST therein, but would have no objection to re-invest a considerable sum, under the Limited Liability Act.

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An excellent 70 in. cylinder PUMPING ENGINF, 13 ft. stroke in the cylinder, and 10½ ft. in the shaft, with two boilers 26 tons; n: w three years ago.
A 46 ft. WATEE. WHEEL, 3 ft. breast (within), with east-iron axis and sockets two sweep rods, and balance-bob, complete.
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St. Austell. Peb. 28. 1857.

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Strong made, portable, and, being horizontal, do not require expensive foundations or building. All, including governors and pump, fixed on the bed; mai coupling, connecting red, shaft, and valve motion, &co., wrought-from. All the seas joints surfaced, and small working parts case hardened. References to engineer, mill owners, colliery proprietors, contractors, and others.—A. ALEZ. ELLIS, Closestreet, Salford, Manchester (Clowes-street adjoins the Bonded Warehouse, near its lower end of Blackfriars-street).

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L'eserpool, Get. 18, 1835.—Dara Siz: The experiments which I have tried on the receivers of slate in reference to the construction of the reservers.

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Liverpool, Oct. 18, 1855.—Dear Sir: The experiments which I have tried on the specimen of slate, in reference to its capability of resistance to acids, enable me we pronounce it in every way capable of retaining boiling vinegar, without injury either to its own substance, or to the contained vinegar. A piece of the slate, weighing So ers., was exposed for 26 hours to the action of cold strong nitric acid; it was the boiled in the same acid for 20 minutes, and when washed, dried, and weighed, we found not to have lost perceptibly in weight. This I consider the most conclusive speriment.

Signed,

Wm. Orme Carter, Esq., Machno Slate and Slab Company.

All communications must be addressed to the resident director, Mr. T. H. Whered, Conway, North Wales.

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PATENT TUBULAR TUYERES.

PATENT TUBULAR TUYERES.

Messrs. Knowles and Buxron can with confidence bring before the public thair IMPROVEMENT in TUYERES, having proved their utility at Mr. Knowles's furnace, Brimington Moor, as well as at other furnaces in the surrounding neighbour-hood. They are now perfectly satisfied that one trial will be sufficient to convince all practical furnace managers that they are the CHEAPEST and BEST ever offered to the public. The annexed diagram shows the principle to be both simple and efficient, conveying a current of cold water direct to the nozale of the tuyers, which is made of thin tubing (without the incumbrance of cast-iron), allowing the cooling property of the water to act direct upon that part most expect to the fire, and is sufficient to keep the liquid metal from adhering to the tuyers, which is not the case with those generally in use. After taking into consideration the first cost, and the advantage of being able to work them longer without the loss of time in replacing, or injuring the metal, they will be found, after a fair and impartial trial, to be most decidedly a great advantage to furnace proprietors.

Messrs. Knowless and Buxron are prepared to SUPPLY hot-blast furnace tuyeres, with sockets, at 36s. each; without sockets, at 35s. each; smiths' forge tuyeres, at 15s. each; delivered at Chesterfield Station.

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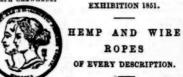
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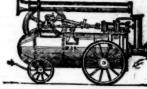


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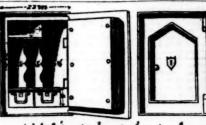
> MANUFACTURED BY THE INVENTOR, JOSEPH HALEY,

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